



Circuit-breakers, fuses

Tested quality, approvals and shipping classifications represent the functionality and safety suitable for world markets with industrial miniature circuit-breakers. Besides a comprehensive range of residual current devices, LV h.b.c. fuse bases and fuse switch-disconnectors is provided.

FAZ miniature circuit-breakers

Height 80 mm only +++ Installation and removal without disassembly of the rails +++ Double comfort terminal lift/claw +++ Terminal with rear plug protection → Page 19/4

Digital residual current device

Preventive information +++ Warning before tripping +++ Integrated auxiliary contact +++ Display for earth-fault release → Page 19/21

Fuse base

Integrated terminal covers +++ Double terminals → Page 19/42

Cylindrical fuse switch-disconnectors

With flash function on tripped fuse +++ can be sealed → Page 19/45

Fuse switch-disconnectors (empty) C10-FD

Cord protection for photovoltaic generator +++ Trip indicator signals tripped fuse link: 50 – 400 V: blinking, 400 – 1000 V: continuous light +++ Nominal current voltage 1000 V DC +++ For cylindrical fuse inserts in photovoltaic applications +++ Sealable → Page 19/48

Circuit-breaker

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Engineering

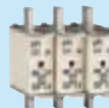
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Fuses

Ordering

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Engineering

Let-through characteristics	19/64
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Technical data

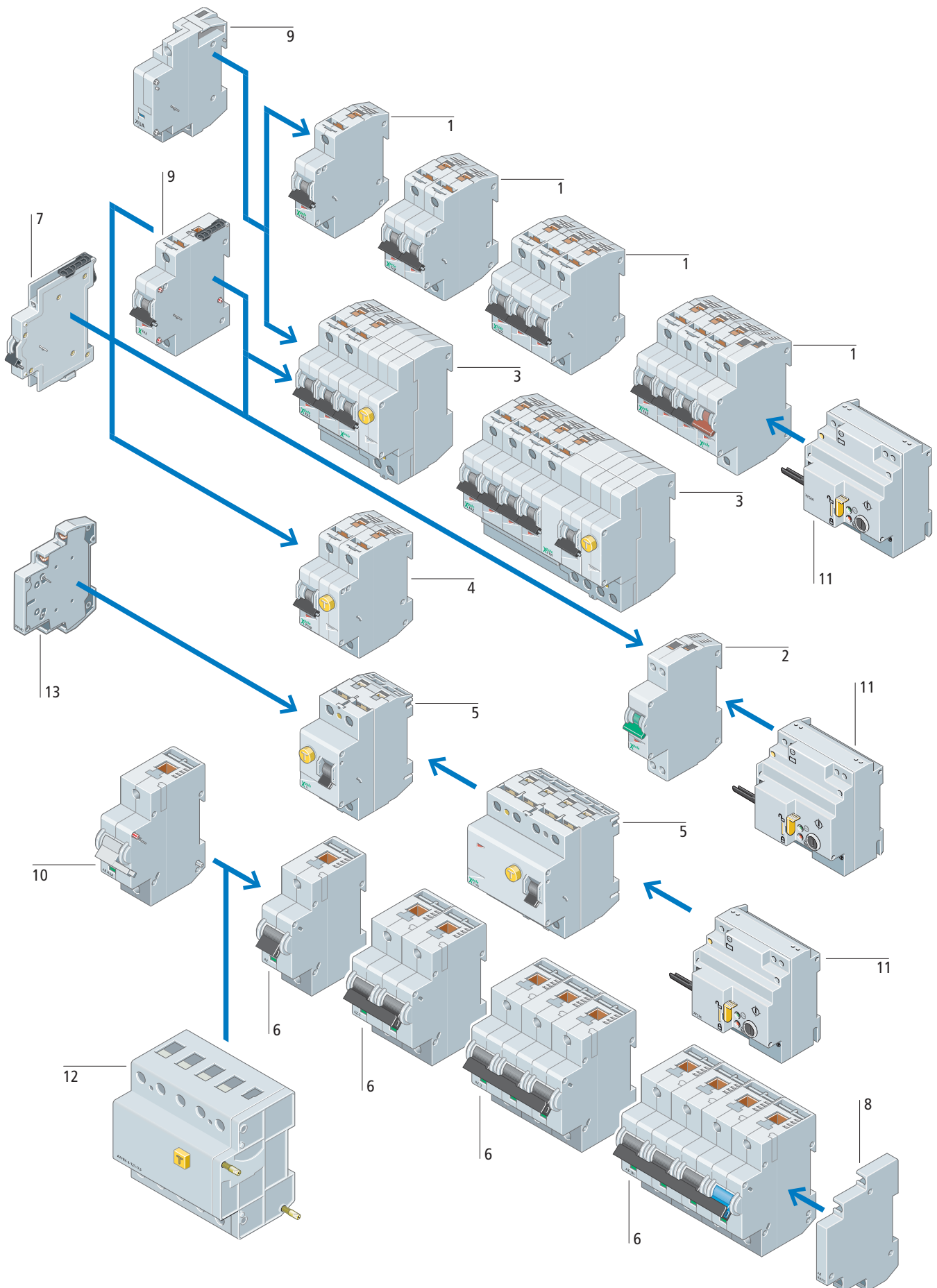
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Dimensions

Fuse base	19/86
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System overview



Basic devices

FAZ miniature circuit-breakers	1
Characteristic/rated operational current ranges B/4 – 63 A; C/0.5 – 63 A; D/6 – 40 A; K/0.5 - 63 A; S/1 - 40 A; Z/0.5 - 63 A	
Switching capacity: 15 kA to IEC/EN 60947-2	
B, C, D, K, S, Z characteristic	
1-, 1N-, 2-, 3-, 3N-, 4 pole	
Special miniature circuit-breaker for control circuits (1, 2 pole)	
Special miniature circuit-breaker for DC applications up to 500 V DC	
→ Page 19/4	
FAZT miniature circuit-breakers	1
Characteristic/rated operational current ranges B/1 - 25 A; C/1 - 25 A; D/1 - 16 A	
Switching capacity: 25 kA to IEC/EN 60947-2	
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FAZ-PN miniature circuit-breaker	2
Characteristic/rated operational current ranges B/6 – 40 A; C/2 – 40 A	
Switching capacity: 6 kA to IEC/EN 60898	
B, C characteristic	
1 N pole	
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Residual-current protective modules for fitting to FAZ	3
Protection in the event of fault current	
Rated current ranges 40 – 63 A	
Rated fault current 30 mA, 300 mA	
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Residual-current protective modules for fitting to AZ	12
Protection in the event of fault current	
Rated current ranges 80 – 125 A	
Rated fault current 30 mA, 300 mA	
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PKNM combined device	4
Overload and short-circuit protection, and protection in the event of fault currents	
Characteristic/rated operational current ranges B/6-40 A; C/6-40 A; 1N pole	
Switching capacity: 10 kA to IEC/EN 60898	
Rated fault current 30 mA, 300 mA	
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Residual-current circuit-breaker (RCCB)	5
AC current sensitive	
2 pole, 16 – 80 A	
4 pole, 25 – 80 A	
Pulsed current sensitive	
2 pole, 16 – 40 A	
4 pole, 25 – 125 A	
AC/DC sensitive	
4 pole, 40 – 125 A	
Rated fault current	
30 mA, 100 mA, 300 mA, 500 mA	
4 pole, selective, 63 – 80 A	
Rated fault current	
100 mA, 300 mA	
4 pole suitable for frequency inverters 40, 63 A, 100 mA, 300 mA	
→ Page 19/13	
AZ miniature circuit-breakers	6
Characteristic/rated operational current ranges C/20-125 A; D/50-100 A	
Switching capacity: 15 – 25 kA to IEC/EN 60947-2, 1-, 2-, 3-, 3N-, 4 pole	
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Add-on functions

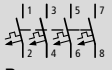


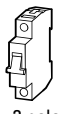
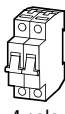
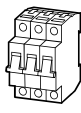
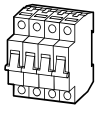


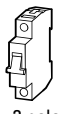
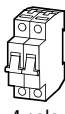
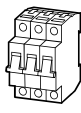
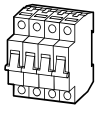
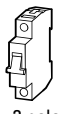
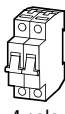
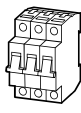
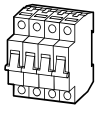
FAZ auxiliary contact	7
Standard auxiliary contact	
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Auxiliary contacts	
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AZ auxiliary contact	8
Standard auxiliary contacts	
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FAZ shunt releases	9
Undervoltage release	
Shunt releases	
Can be fitted to FAZ or FAZ-FIM	
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Shunt releases	
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Auxiliary contacts	
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Remote switching module	11
Suitable for remote switching and automatic restart of a miniature circuit-breaker or RCCB, for remote trip testing of an RCCB in conjunction with a remote test module	
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Ordering

	Rated operational current I_n A	1 pole		Std. pack	2 pole With 2 protected poles		Std. pack	3 pole With 3 protected poles		Std. pack
		Part no. Article no.	Price See price list		Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	
FAZ miniature circuit-breakers										
Characteristic B Instantaneous release response current 3 - 5 x I_n Switching capacity 15 kA (IEC/EN 60947-2)	4	FAZ-B4/1-HS 279274		12 off	FAZ-B4/2-HS 279275		1 off			
	5	FAZ-B5/1 278528		12 off 						
	6	FAZ-B6/1 278529			FAZ-B6/2 278728		1 off 	FAZ-B6/3 278841		1 off 
	8	FAZ-B8/1 278530			FAZ-B8/2 278729			FAZ-B8/3 278842		
	10	FAZ-B10/1 278531			FAZ-B10/2 278730			FAZ-B10/3 278843		
	12	FAZ-B12/1 278532			FAZ-B12/2 278731			FAZ-B12/3 278844		
	13	FAZ-B13/1 278533			FAZ-B13/2 278732			FAZ-B13/3 278845		
	15	FAZ-B15/1 278534			FAZ-B15/2 278733			FAZ-B15/3 278846		
	16	FAZ-B16/1 278535			FAZ-B16/2 278734			FAZ-B16/3 278847		
	20	FAZ-B20/1 278536			FAZ-B20/2 278735			FAZ-B20/3 278848		
	25	FAZ-B25/1 278537			FAZ-B25/2 278736			FAZ-B25/3 278849		
	32	FAZ-B32/1 278538			FAZ-B32/2 278737			FAZ-B32/3 278850		
	40	FAZ-B40/1 278539			FAZ-B40/2 278738			FAZ-B40/3 278851		
	50	FAZ-B50/1 278540			FAZ-B50/2 278739			FAZ-B50/3 278852		
	63	FAZ-B63/1 278541			FAZ-B63/2 278740			FAZ-B63/3 278853		
Characteristic C Instantaneous release response current 5 - 10 x I_n Switching capacity 15 kA (IEC/EN 60947-2)	0.5	FAZ-C0.5/1 278544		12 off 	FAZ-C0.5/2 278743		1 off 	FAZ-C0.5/3 278856		1 off 
	1	FAZ-C1/1 278546			FAZ-C1/2 278745			FAZ-C1/3 278858		
	1.6	FAZ-C0.5/1 278548			FAZ-C1.6/2 278747			FAZ-C1.6/3 278860		
	2	FAZ-C2/1 278549			FAZ-C2/2 278748			FAZ-C2/3 278861		
	3	FAZ-C3/1 278551			FAZ-C3/2 278750			FAZ-C3/3 278863		
	4	FAZ-C4/1 278553			FAZ-C4/2 278752			FAZ-C4/3 278865		
	6	FAZ-C6/1 278555			FAZ-C6/2 278754			FAZ-C6/3 278867		
	8	FAZ-C8/1 278556			FAZ-C8/2 278755			FAZ-C8/3 278868		
	10	FAZ-C10/1 278557			FAZ-C10/2 278756			FAZ-C10/3 278869		
	13	FAZ-C13/1 278559			FAZ-C13/2 278758			FAZ-C13/3 278871		
	16	FAZ-C16/1 278561			FAZ-C16/2 278760			FAZ-C16/3 278873		
	20	FAZ-C20/1 278562			FAZ-C20/2 278761			FAZ-C20/3 278874		
	25	FAZ-C25/1 278563			FAZ-C25/2 278762			FAZ-C25/3 278875		
	32	FAZ-C32/1 278564			FAZ-C32/2 278763			FAZ-C32/3 278876		
	40	FAZ-C40/1 278565			FAZ-C40/2 278764			FAZ-C40/3 278877		
50	FAZ-C50/1 278566			FAZ-C50/2 278765			FAZ-C50/3 278878			
63	FAZ-C63/1 278567			FAZ-C63/2 278766			FAZ-C63/3 278879			

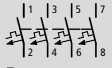
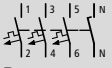







4 pole With 4 protected poles			2 pole With 1 protected pole, N switching with pole			4 pole With 3 protected poles, N switching with poles			Notes								
																	
Part no. Article no.	Price See price list	Std. pack	Part no. Article no.	Price See price list	Std. pack	Part no. Article no.	Price See price list	Std. pack									
FAZ-B6/4 279029		1 off	FAZ-B6/1N 278642		1 off	FAZ-B6/3N 278943		1 off	<p>Switching capacity (IEC/EN 60898) 10 kA</p> <p>Switching capacity (IEC/EN 60947-2) 15 kA</p> <p>Accessories Page</p> <p>Auxiliary contacts → 19/24</p> <p>Shunt releases</p> <p>Mounting accessories → 19/25</p> <p>FAZ-B4/1-HS, FAZ-B4/2-HS Special miniature circuit-breakers with much reduced let-through energy to prevent contact weld of auxiliary contacts</p> <table border="0"> <tr> <td>1 pole Depth 71 mm Width 17.5 mm</td> <td>2 pole; 1 pole + N Depth 71 mm Width 35 mm</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>3 pole Depth 71 mm Width 52.5 mm</td> <td>4 pole; 3 pole + N Depth 71 mm Width 70 mm</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>Information relevant for export to North America</p> <p> </p> <p>Product Standards IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking</p> <p>UL File No. E177451</p> <p>UL CCN QVNU2, QVNU8</p> <p>CSA File No. 204453</p> <p>CSA Class No. 3215-30</p> <p>NA Certification UL Recognized, CSA certified</p> <p>Conditions of Acceptability Supplementary Protector only</p> <p>Suitable for Branch Circuits; not as BCPD</p> <p>Max. Voltage Rating 1 pole: 277 V AC; 48 V DC 2 pole: 480 Y/277 V AC; 96 V DC 3 pole: 480 Y/277 V AC</p> <p>Degree of Protection IEC: IP20; UL/CSA Type: -</p> <p>Short Circuit Current Rating ≤ 40 A 10 kA ≥ 50 A 5 kA</p>	1 pole Depth 71 mm Width 17.5 mm	2 pole; 1 pole + N Depth 71 mm Width 35 mm			3 pole Depth 71 mm Width 52.5 mm	4 pole; 3 pole + N Depth 71 mm Width 70 mm		
1 pole Depth 71 mm Width 17.5 mm	2 pole; 1 pole + N Depth 71 mm Width 35 mm																
																	
3 pole Depth 71 mm Width 52.5 mm	4 pole; 3 pole + N Depth 71 mm Width 70 mm																
																	
FAZ-B8/4 279030			FAZ-B8/1N 278643			FAZ-B8/3N 278944											
FAZ-B10/4 279031			FAZ-B10/1N 278644			FAZ-B10/3N 278945											
FAZ-B12/4 279032			FAZ-B12/1N 278645			FAZ-B12/3N 278946											
FAZ-B13/4 279033			FAZ-B13/1N 278646			FAZ-B13/3N 278947											
FAZ-B15/4 279034			FAZ-B15/1N 278647			FAZ-B15/3N 278948											
FAZ-B16/4 279035			FAZ-B16/1N 278648			FAZ-B16/3N 278949											
FAZ-B20/4 279036			FAZ-B20/1N 278649			FAZ-B20/3N 278950											
FAZ-B25/4 279037			FAZ-B25/1N 278650			FAZ-B25/3N 278951											
FAZ-B32/4 279038			FAZ-B32/1N 278651			FAZ-B32/3N 278952											
FAZ-B40/4 279039			FAZ-B40/1N 278652			FAZ-B40/3N 278953											
FAZ-B50/4 279040			FAZ-B50/1N 278653			FAZ-B50/3N 278954											
FAZ-B63/4 279041			FAZ-B63/1N 278654			FAZ-B63/3N 278955											
FAZ-C0.5/4 279044		1 off	FAZ-C0.5/1N 278657		1 off	FAZ-C0.5/3N 278958		1 off									
FAZ-C1/4 279046			FAZ-C1/1N 278659			FAZ-C1/3N 278960											
FAZ-C1.6/4 279048			FAZ-C1.6/1N 278661			FAZ-C1.6/3N 278962											
FAZ-C2/4 279049			FAZ-C2/1N 278662			FAZ-C2/3N 278963											
FAZ-C3/4 279051			FAZ-C3/1N 278664			FAZ-C3/3N 278965											
FAZ-C4/4 279053			FAZ-C4/1N 278666			FAZ-C4/3N 278967											
FAZ-C6/4 279055			FAZ-C6/1N 278668			FAZ-C6/3N 278969											
FAZ-C8/4 279056			FAZ-C8/1N 278669			FAZ-C8/3N 278970											
FAZ-C10/4 279057			FAZ-C10/1N 278670			FAZ-C10/3N 278971											
FAZ-C13/4 279059			FAZ-C13/1N 278672			FAZ-C13/3N 278973											
FAZ-C16/4 279061			FAZ-C16/1N 278674			FAZ-C16/3N 278975											
FAZ-C20/4 279062			FAZ-C20/1N 278675			FAZ-C20/3N 278976											
FAZ-C25/4 279063			FAZ-C25/1N 278676			FAZ-C25/3N 278977											
FAZ-C32/4 279064			FAZ-C32/1N 278677			FAZ-C32/3N 278978											
FAZ-C40/4 279065			FAZ-C40/1N 278678			FAZ-C40/3N 278979											
FAZ-C50/4 279066			FAZ-C50/1N 278679			FAZ-C50/3N 278980											
FAZ-C63/4 279067			FAZ-C63/1N 278680			FAZ-C63/3N 278981											













	1 pole			Std. pack	2 pole With 2 protected poles			Std. pack	3 pole With 3 protected poles			Std. pack
	Rated operational current I_n A	Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	Part no. Article no.		Price See price list			
FAZ miniature circuit-breakers												
Characteristic D Instantaneous release response current 10 - 20 x I_n Switching capacity 15 kA (IEC/EN 60947-2)	6	FAZ-D6/1 278578		12 off  	FAZ-D6/2 278777		1 off  	FAZ-D6/3 278890		1 off  		
	8	FAZ-D8/1 278579			FAZ-D8/2 278778			FAZ-D8/3 278891				
	10	FAZ-D10/1 278580			FAZ-D10/2 278779			FAZ-D10/3 278892				
	13	FAZ-D13/1 278582			FAZ-D13/2 278781			FAZ-D13/3 278894				
	16	FAZ-D16/1 278584			FAZ-D16/2 278783			FAZ-D16/3 278896				
	20	FAZ-D20/1 278585			FAZ-D20/2 278784			FAZ-D20/3 278897				
	25	FAZ-D25/1 278586			FAZ-D25/2 278785			FAZ-D25/3 278898				
	32	FAZ-D32/1 278587			FAZ-D32/2 278786			FAZ-D32/3 278899				
	40	FAZ-D40/1 278588			FAZ-D40/2 278787			FAZ-D40/3 278900				
Characteristic K Instantaneous release response current 8 - 12 x I_n Switching capacity 15 kA (IEC/EN 60947-2)	0.5	FAZ-K0.5/1 278589		12 off  	FAZ-K0.5/2 278788		1 off  	FAZ-K0.5/3 278901		1 off  		
	1	FAZ-K1/1 278590			FAZ-K1/2 278789			FAZ-K1/3 278902				
	1.6	FAZ-K0.5/1 278591			FAZ-K1.6/2 278790			FAZ-K1.6/3 278903				
	2	FAZ-K2/1 278592			FAZ-K2/2 278791			FAZ-K2/3 278904				
	3	FAZ-K3/1 278593			FAZ-K3/2 278792			FAZ-K3/3 278905				
	4	FAZ-K4/1 278594			FAZ-K4/2 278793			FAZ-K4/3 278906				
	6	FAZ-K6/1 278595			FAZ-K6/2 278794			FAZ-K6/3 278907				
	8	FAZ-K8/1 278596			FAZ-K8/2 278795			FAZ-K8/3 278908				
	10	FAZ-K10/1 278597			FAZ-K10/2 278796			FAZ-K10/3 278909				
	13	FAZ-K13/1 278598			FAZ-K13/2 278797			FAZ-K13/3 278910				
	16	FAZ-K16/1 278599			FAZ-K16/2 278798			FAZ-K16/3 278911				
	20	FAZ-K20/1 278600			FAZ-K20/2 278799			FAZ-K20/3 278912				
	25	FAZ-K25/1 278601			FAZ-K25/2 278800			FAZ-K25/3 278913				
	32	FAZ-K32/1 278602			FAZ-K32/2 278801			FAZ-K32/3 278914				
	40	FAZ-K40/1 278603			FAZ-K40/2 278802			FAZ-K40/3 278915				
50	FAZ-K50/1 278604		FAZ-K50/2 278803		FAZ-K50/3 278916							
63	FAZ-K63/1 278605		FAZ-K63/2 278804		FAZ-K63/3 278917							




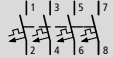
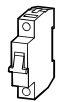
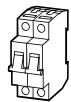
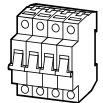


4 pole			4 pole			Notes
With 4 protected poles			With 3 protected poles, N switching with poles			
						
Part no.	Price	Std. pack	Part no.	Price	Std. pack	
Article no.	See price list		Article no.	See price list		
FAZ-D6/4 279078		1 off	FAZ-D6/3N 278992		1 off	Switching capacity (IEC/EN 60898) 10 kA
FAZ-D8/4 279079			FAZ-D8/3N 278993			Switching capacity (IEC/EN 60947-2) 15 kA
FAZ-D10/4 279080			FAZ-D10/3N 278994			Accessories Page
FAZ-D13/4 279082			FAZ-D13/3N 278996			Auxiliary contacts → 19/24
FAZ-D16/4 279084			FAZ-D16/3N 278998			Shunt releases
FAZ-D20/4 279085			FAZ-D20/3N 278999			Mounting accessories → 19/25
FAZ-D25/4 279086			FAZ-D25/3N 279000			1 pole Depth 71 mm Width 17.5 mm
FAZ-D32/4 279087			FAZ-D32/3N 279001			2 pole; 1 pole + N Depth 71 mm Width 35 mm
FAZ-D40/4 279088			FAZ-D40/3N 279002			 
FAZ-K0.5/4 279089		1 off	FAZ-K0.5/3N 279003		1 off	3 pole Depth 71 mm Width 52.5 mm
FAZ-K1/4 279090			FAZ-K1/3N 279004			4 pole; 3 pole + N Depth 71 mm Width 70 mm
FAZ-K1.6/4 279091			FAZ-K1.6/3N 279005			 
FAZ-K2/4 279092			FAZ-K2/3N 279006			
FAZ-K3/4 279093			FAZ-K3/3N 279007			
FAZ-K4/4 279094			FAZ-K4/3N 279008			
FAZ-K6/4 279095			FAZ-K6/3N 279009			
FAZ-K8/4 279096			FAZ-K8/3N 279010			
FAZ-K10/4 279097			FAZ-K10/3N 279011			
FAZ-K13/4 279098			FAZ-K13/3N 279012			
FAZ-K16/4 279099			FAZ-K16/3N 279013			
FAZ-K20/4 279100			FAZ-K20/3N 279014			
FAZ-K25/4 279101			FAZ-K25/3N 279015			
FAZ-K32/4 279102			FAZ-K32/3N 279016			
FAZ-K40/4 279103			FAZ-K40/3N 279017			
FAZ-K50/4 279104			FAZ-K50/3N 279018			
FAZ-K63/4 279105			FAZ-K63/3N 279019			
Information relevant for export to North America						
						
Product Standards		IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking				
UL File No.		E177451				
UL CCN		QVNU2, QVNU8				
CSA File No.		204453				
CSA Class No.		3215-30				
NA Certification		UL Recognized, CSA certified				
Conditions of Acceptability		Supplementary Protector only				
Suitable for		Branch Circuits; not as BCPD				
Max. Voltage Rating		1 pole: 277 V AC; 48 V DC 2 pole: 480 Y/277 V AC; 96 V DC 3 pole: 480 Y/277 V AC				
Degree of Protection		IEC: IP20; UL/CSA Type: -				
Short Circuit Current Rating						
≤ 40 A		10 kA				
≥ 50 A		5 kA				



	Rated current I_n A	1 pole		Std. pack	2 pole With 2 protected poles		Std. pack			
			Part no. Article no.		Price See price list			Part no. Article no.	Price See price list	
FAZ miniature circuit-breakers										
Characteristic S Instantaneous release response current 13 - 17 x I_n Switching capacity 10 kA (IEC/EN 60947-2)	1	FAZ-S1/1 278606		12 off  	FAZ-S1/2 278805		1 off  			
	2	FAZ-S2/1 278607			FAZ-S2/2 278806					
	3	FAZ-S3/1 278608			FAZ-S3/2 278807					
	4	FAZ-S4/1 278609			FAZ-S4/2 278808					
	6	FAZ-S6/1 278610			FAZ-S6/2 278809					
	10	FAZ-S10/1 278611			FAZ-S10/2 278810					
	16	FAZ-S16/1 278612			FAZ-S16/2 278811					
	20	FAZ-S20/1 278613			FAZ-S20/2 278812					
	25	FAZ-S25/1 278614			FAZ-S25/2 278813					
	32	FAZ-S32/1 278615			FAZ-S32/2 278814					
	40	FAZ-S40/1 278616			FAZ-S40/2 278815					
	Characteristic Z Instantaneous release response current 2 - 3 x I_n Switching capacity 10 kA (IEC/EN 60947-2)	0.5	FAZ-Z0,5/1 278617			12 off  		FAZ-Z0,5/2 278816		1 off  
		1	FAZ-Z1/1 278618					FAZ-Z1/2 278817		
1.6		FAZ-Z1,6/1 278619		FAZ-Z1,6/2 278818						
2		FAZ-Z2/1 278620		FAZ-Z2/2 278819						
3		FAZ-Z3/1 278621		FAZ-Z3/2 278820						
4		FAZ-Z4/1 278622		FAZ-Z4/2 278821						
6		FAZ-Z6/1 278623		FAZ-Z6/2 278822						
8		FAZ-Z8/1 278624		FAZ-Z8/2 278823						
10		FAZ-Z10/1 278625		FAZ-Z10/2 278824						
16		FAZ-Z16/1 278626		FAZ-Z16/2 278825						
20		FAZ-Z20/1 278627		FAZ-Z20/2 278826						
25		FAZ-Z25/1 278628		FAZ-Z25/2 278827						
32		FAZ-Z32/1 278629		FAZ-Z32/2 278828						
40		FAZ-Z40/1 278630		FAZ-Z40/2 278829						
50		FAZ-Z50/1 278631		FAZ-Z50/2 278830						
63		FAZ-Z63/1 278632		FAZ-Z63/2 278831						




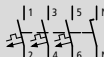
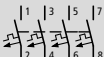




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3 pole		Std. pack	4 pole		Std. pack	Notes
With 3 protected poles			With 4 protected poles			
						
Part no.	Price		Part no.	Price		
Article no.	See price list		Article no.	See price list		
						Switching capacity (IEC/EN 60898) 10 kA
						Switching capacity (IEC/EN 60947-2) 15 kA
						Accessories Page
						Auxiliary contacts → 19/24
						Shunt releases
						Mounting accessories → 19/25
						1 pole Depth 71 mm Width 17.5 mm
						2 pole; 1 pole + N Depth 71 mm Width 35 mm
						
						3 pole Depth 71 mm Width 52.5 mm
						
						4 pole; 3 pole + N Depth 71 mm Width 70 mm
						
						Information relevant for export to North America
						
						Product Standards IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
						UL File No. E177451
						UL CCN QVNU2, QVNU8
						CSA File No. 204453
						CSA Class No. 3215-30
						NA Certification UL Recognized, CSA certified
						Conditions of Acceptability
						Suitable for Supplementary Protector only
						Branch Circuits; not as BCPD
						Max. Voltage Rating 1 pole: 277 V AC; 48 V DC
						2 pole: 480 Y/277 V AC; 96 V DC
						3 pole: 480 Y/277 V AC
						Degree of Protection IEC: IP20; UL/CSA Type: -
						Short Circuit Current Rating
						≤ 40 A 10 kA
						≥ 50 A 5 kA
FAZ-Z0.5/3		1 off 	FAZ-Z0.5/4		1 off	
278918			279106			
FAZ-Z1/3			FAZ-Z1/4			
278919			279107			
FAZ-Z1.6/3			FAZ-Z1.6/4			
278920			279108			
FAZ-Z2/3			FAZ-Z2/4			
278921			279109			
FAZ-Z3/3			FAZ-Z3/4			
278922			279110			
FAZ-Z4/3			FAZ-Z4/4			
278923			279111			
FAZ-Z6/3			FAZ-Z6/4			
278924			279112			
FAZ-Z8/3			FAZ-Z8/4			
278925			279113			
FAZ-Z10/3			FAZ-Z10/4			
278926		279114				
FAZ-Z16/3		FAZ-Z16/4				
278927		279115				
FAZ-Z20/3		FAZ-Z20/4				
278928		279116				
FAZ-Z25/3		FAZ-Z25/4				
278929		279117				
FAZ-Z32/3		FAZ-Z32/4				
278930		279118				
FAZ-Z40/3		FAZ-Z40/4				
278931		279119				
FAZ-Z50/3		FAZ-Z50/4				
278932		279120				
FAZ-Z63/3		FAZ-Z63/4				
278933		279121				




	1 pole			Std. pack	1 pole+N			Std. pack	2 pole		
	Rated operational current I_n A	Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	Part no. Article no.		Price See price list	Std. pack	
FAZT miniature circuit-breakers											
Characteristic B Switching capacity 25 kA (IEC/EN 60947-2)	1	FAZT-B1/1 240770		12 off	FAZT-B1/1N 240994		1 off	FAZT-B1/2 240820		1 off	
	2	FAZT-B2/1 240771			FAZT-B2/1N 240995			FAZT-B2/2 240821			
	3	FAZT-B3/1 240772			FAZT-B3/1N 240996			FAZT-B3/2 240822			
	4	FAZT-B4/1 240777			FAZT-B4/1N 240997			FAZT-B4/2 240823			
	6	FAZT-B6/1 240782			FAZT-B6/1N 240998			FAZT-B6/2 240824			
	10	FAZT-B10/1 240787			FAZT-B10/1N 240999			FAZT-B10/2 240825			
	12	FAZT-B12/1 240792			FAZT-B12/1N 241000			FAZT-B12/2 240826			
	13	FAZT-B13/1 240793			FAZT-B13/1N 241001			FAZT-B13/2 240827			
	15	FAZT-B15/1 240794			FAZT-B15/1N 241005			FAZT-B15/2 240828			
	16	FAZT-B16/1 240795			FAZT-B16/1N 241009			FAZT-B16/2 240829			
	20	FAZT-B20/1 240796			FAZT-B20/1N 241015			FAZT-B20/2 240830			
	25	FAZT-B25/1 240797			FAZT-B25/1N 241019			FAZT-B25/2 240831			
	32 ¹⁾	FAZT-B32/1 141907			FAZT-B32/1N 142509			FAZT-B32/2 142485			
	40 ¹⁾	FAZT-B40/1 141908			FAZT-B40/1N 142510			FAZT-B40/2 142486			
Characteristic C Switching capacity 25 kA (IEC/EN 60947-2)	1	FAZT-C1/1 240798		12 off	FAZT-C1/1N 241022		1 off	FAZT-C1/2 240832		1 off	
	2	FAZT-C2/1 240799			FAZT-C2/1N 241023			FAZT-C2/2 240833			
	3	FAZT-C3/1 240800			FAZT-C3/1N 241024			FAZT-C3/2 240838			
	4	FAZT-C4/1 240801			FAZT-C4/1N 241025			FAZT-C4/2 240843			
	6	FAZT-C6/1 240802			FAZT-C6/1N 241026			FAZT-C6/2 240850			
	10	FAZT-C10/1 240803			FAZT-C10/1N 241027			FAZT-C10/2 240855			
	12	FAZT-C12/1 240804			FAZT-C12/1N 241028			FAZT-C12/2 240858			
	13	FAZT-C13/1 240805			FAZT-C13/1N 241029			FAZT-C13/2 240859			
	15	FAZT-C15/1 240806			FAZT-C15/1N 241030			FAZT-C15/2 240860			
	16	FAZT-C16/1 240807			FAZT-C16/1N 241034			FAZT-C16/2 240861			
	20	FAZT-C20/1 240808			FAZT-C20/1N 241038			FAZT-C20/2 240862			
	25	FAZT-C25/1 240809			FAZT-C25/1N 241044			FAZT-C25/2 240863			
	32 ¹⁾	FAZT-C32/1 141909			FAZT-C32/1N 142511			FAZT-C32/2 142487			
	40 ¹⁾	FAZT-C40/1 142480			FAZT-C40/1N 142512			FAZT-C40/2 142488			
Characteristic D Switching capacity 25 kA (IEC/EN 60947-2)	1	FAZT-D1/1 240810		12 off	FAZT-D1/1N 241048		1 off	FAZT-D1/2 240864		1 off	
	2	FAZT-D2/1 240811			FAZT-D2/1N 241051			FAZT-D2/2 240865			
	3	FAZT-D3/1 240812			FAZT-D3/1N 241052			FAZT-D3/2 240866			
	4	FAZT-D4/1 240813			FAZT-D4/1N 241053			FAZT-D4/2 240867			
	6	FAZT-D6/1 240814			FAZT-D6/1N 241054			FAZT-D6/2 240868			



3 pole		Std. pack	3 pole+N		Std. pack	4 pole		Std. pack	Notes
Part no. Article no.	Price See price list		Part no. Article no.	Price See price list		Part no. Article no.	Price See price list		
									
FAZT-B1/3 240874		1 off	FAZT-B1/3N 241060		1 off	FAZT-B1/4 240922		1 off	<p>Switching capacity 25 kA (IEC/EN 60947-2)</p> <p>Accessories Page</p> <p>Auxiliary contacts → 19/24</p> <p>Shunt releases</p> <p>Mounting accessories → 19/25</p> <p>1 pole Depth 71 mm Width 17.5 mm</p> <p>2 pole; 1 pole + N Depth 71 mm Width 35 mm</p>   <p>3 pole Depth 71 mm Width 52.5 mm</p> <p>4 pole; 3 pole + N Depth 71 mm Width 70 mm</p>   <p>¹⁾ For additional Technical Data and Characteristic Curves see "Installation Products for Industrial Application FAZ-T": www.moeller.net/cn/support/pdf_Katalog.jsp</p>
FAZT-B2/3 240875			FAZT-B2/3N 241065			FAZT-B2/4 240927			
FAZT-B3/3 240876			FAZT-B3/3N 241070			FAZT-B3/4 240930			
FAZT-B4/3 240877			FAZT-B4/3N 241075			FAZT-B4/4 240931			
FAZT-B6/3 240878			FAZT-B6/3N 241080			FAZT-B6/4 240932			
FAZT-B10/3 240879			FAZT-B10/3N 241085			FAZT-B10/4 240933			
FAZT-B12/3 240880			FAZT-B12/3N 241090			FAZT-B12/4 240934			
FAZT-B13/3 240881			FAZT-B13/3N 241095			FAZT-B13/4 240935			
FAZT-B15/3 240882			FAZT-B15/3N 241100			FAZT-B15/4 240936			
FAZT-B16/3 240883			FAZT-B16/3N 241105			FAZT-B16/4 240937			
FAZT-B20/3 240884			FAZT-B20/3N 241110			FAZT-B20/4 240938			
FAZT-B25/3 240885			FAZT-B25/3N 241115			FAZT-B25/4 240939			
FAZT-B32/3 142493			FAZT-B32/3N 142517			FAZT-B32/4 142501			
FAZT-B40/3 142494			FAZT-B40/3N 142518			FAZT-B40/4 142502			
FAZT-C1/3 240886		1 off	FAZT-C1/3N 241120		1 off	FAZT-C1/4 240940		1 off	
FAZT-C2/3 240887			FAZT-C2/3N 241125			FAZT-C2/4 240941			
FAZT-C3/3 240888			FAZT-C3/3N 241130			FAZT-C3/4 240945			
FAZT-C4/3 240889			FAZT-C4/3N 241135			FAZT-C4/4 240949			
FAZT-C6/3 240890			FAZT-C6/3N 241140			FAZT-C6/4 240955			
FAZT-C10/3 240891			FAZT-C10/3N 241145			FAZT-C10/4 240959			
FAZT-C12/3 240892			FAZT-C12/3N 241150			FAZT-C12/4 240962			
FAZT-C13/3 240893			FAZT-C13/3N 241155			FAZT-C13/4 240963			
FAZT-C15/3 240894			FAZT-C15/3N 241160			FAZT-C15/4 240964			
FAZT-C16/3 240895			FAZT-C16/3N 241165			FAZT-C16/4 240965			
FAZT-C20/3 240896			FAZT-C20/3N 241170			FAZT-C20/4 240966			
FAZT-C25/3 240897			FAZT-C25/3N 241175			FAZT-C25/4 240967			
FAZT-C32/3 142495			FAZT-B32/3N 142519			FAZT-C32/4 142503			
FAZT-C40/3 142496			FAZT-B40/3N 142520			FAZT-C40/4 142504			
FAZT-D1/3 240898		1 off	FAZT-D1/3N 241180		1 off	FAZT-D1/4 240968		1 off	
FAZT-D2/3 240899			FAZT-D2/3N 241181			FAZT-D2/4 240969			
FAZT-D3/3 240900			FAZT-D3/3N 241182			FAZT-D3/4 240970			
FAZT-D4/3 240901			FAZT-D4/3N 241183			FAZT-D4/4 240971			
FAZT-D6/3 240902			FAZT-D6/3N 241184			FAZT-D6/4 240975			





	1 pole			Std. pack	1 pole+N			Std. pack	2 pole		
	Rated operational current I_n A	Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	Part no. Article no.		Price See price list	Std. pack	
FAZT miniature circuit-breakers											
Characteristic D Switching capacity 25 kA (IEC/EN 60947-2)	10	FAZT-D10/1 240815		12 off	FAZT-D10/1N 241055			1 off	FAZT-D10/2 240869		1 off
	12	FAZT-D12/1 240816			FAZT-D12/1N 241056				FAZT-D12/2 240870		
	13	FAZT-D13/1 240817			FAZT-D13/1N 241057				FAZT-D13/2 240871		
	15	FAZT-D15/1 240818			FAZT-D15/1N 241058				FAZT-D15/2 240872		
	16	FAZT-D16/1 240819			FAZT-D16/1N 241059				FAZT-D16/2 240873		
	20 ¹⁾	FAZT-D20/1 142481			FAZT-D20/1N 142513				FAZT-D20/2 142489		
	25 ¹⁾	FAZT-D25/1 142482			FAZT-D25/1N 142514				FAZT-D25/2 142490		
	32 ¹⁾	FAZT-D32/1 142483			FAZT-D32/1N 142515				FAZT-D32/2 142491		
	40 ¹⁾	FAZT-D40/1 142484			FAZT-D40/1N 142516				FAZT-D40/2 142492		

	Rated operational current I_n A	2 pole With 1 protected pole, N switching with pole		Std. pack	Notes
		Part no. Article no.	Price See price list		
FAZ-PN miniature circuit-breaker					
Characteristic B Instantaneous release response current 3 - 5 x I_n Switching capacity 6 kA (IEC/EN 60898)	6	FAZ-PN-B6/1N 279146		12 off	Accessories Page Auxiliary contacts → 19/24 Shunt releases 1 N pole Depth 71 mm Width 17.5 mm 
	10	FAZ-PN-B10/1N 279147			
	13	FAZ-PN-B13/1N 279148			
	16	FAZ-PN-B16/1N 279149			
	20	FAZ-PN-B20/1N 279150			
	25	FAZ-PN-B25/1N 279151			
	32	FAZ-PN-B32/1N 279152			
	40	FAZ-PN-B40/1N 279153			
Characteristic C Instantaneous release response current 5 - 10 x I_n Switching capacity 6 kA (IEC/EN 60898)	2	FAZ-PN-C2/1N 279154		12 off	
	4	FAZ-PN-C4/1N 279155			
	6	FAZ-PN-C6/1N 279156			
	10	FAZ-PN-C10/1N 279157			
	13	FAZ-PN-C13/1N 279158			
	16	FAZ-PN-C16/1N 279159			
	20	FAZ-PN-C20/1N 279160			
	25	FAZ-PN-C25/1N 279161			
	32	FAZ-PN-C32/1N 279162			
	40	FAZ-PN-C40/1N 279163			



3 pole		Std. pack	3 pole+N		Std. pack	4 pole		Std. pack	Notes																			
Part no. Article no.	Price See price list		Part no. Article no.	Price See price list		Part no. Article no.	Price See price list																					
FAZT-D10/3 240903		1 off	FAZT-D10/3N 241185		1 off	FAZT-D10/4 240979		<p>Switching capacity 25 kA (IEC/EN 60947-2)</p> <table border="1"> <thead> <tr> <th>Accessories</th> <th>Page</th> </tr> </thead> <tbody> <tr> <td>Auxiliary contacts</td> <td>→ 19/24</td> </tr> <tr> <td>Shunt releases</td> <td></td> </tr> <tr> <td>Mounting accessories</td> <td>→ 19/25</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>1 pole</th> <th>2 pole; 1 pole + N</th> </tr> </thead> <tbody> <tr> <td>Depth 71 mm</td> <td>Depth 71 mm</td> </tr> <tr> <td>Width 17.5 mm</td> <td>Width 35 mm</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>3 pole</th> <th>4 pole; 3 pole + N</th> </tr> </thead> <tbody> <tr> <td>Depth 71 mm</td> <td>Depth 71 mm</td> </tr> <tr> <td>Width 52.5 mm</td> <td>Width 70 mm</td> </tr> </tbody> </table> <p>→ Graphics, Page 19/11</p> <p>¹⁾ For additional Technical Data and Characteristic Curves see "Installation Products for Industrial Application FAZ-T"; www.moeller.net/cn/support/pdf_Katalog.jsp</p>	Accessories	Page	Auxiliary contacts	→ 19/24	Shunt releases		Mounting accessories	→ 19/25	1 pole	2 pole; 1 pole + N	Depth 71 mm	Depth 71 mm	Width 17.5 mm	Width 35 mm	3 pole	4 pole; 3 pole + N	Depth 71 mm	Depth 71 mm	Width 52.5 mm	Width 70 mm
Accessories	Page																											
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FAZT-D12/3 240904			FAZT-D12/3N 241186			FAZT-D12/4 240985																						
FAZT-D13/3 240905			FAZT-D13/3N 241187			FAZT-D13/4 240989																						
FAZT-D15/3 240910			FAZT-D15/3N 241188			FAZT-D15/4 240992																						
FAZT-D16/3 240915			FAZT-D16/3N 241189			FAZT-D16/4 240993																						
FAZT-D20/3 142497			FAZT-D20/3N 142521			FAZT-D20/4 142505																						
FAZT-D25/3 142498			FAZT-D25/3N 142522			FAZT-D25/4 142506																						
FAZT-D32/3 142499			FAZT-D32/3N 142523			FAZT-D32/4 142507																						
FAZT-D40/3 142500			FAZT-D40/3N 142524			FAZT-D40/4 142508																						

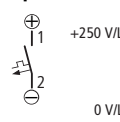
Rated operational current I_n A	1 pole		Std. pack	2 pole With 2 protected poles		Std. pack	Notes															
	Part no. Article no.	Price See price list		Part no. Article no.	Price See price list																	
FAZ miniature circuit-breakers for DC applications																						
Characteristic C Instantaneous release response current 5 - 10 x I_n Switching capacity 10 kA (IEC/EN 60947-2) (L/R = 4 ms) Rated operating voltage 250 V DC per pole	2	FAZ-C2/1-DC 279122	12 off	FAZ-C2/2-DC 279134	1 off	<table border="1"> <thead> <tr> <th>Accessories</th> <th>Page</th> </tr> </thead> <tbody> <tr> <td>Auxiliary contacts</td> <td>→ 19/24</td> </tr> <tr> <td>Shunt releases</td> <td></td> </tr> <tr> <td>Mounting accessories</td> <td>→ 19/25</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>1 pole</th> <th>2 pole;</th> </tr> </thead> <tbody> <tr> <td>Depth 71 mm</td> <td>1N pole</td> </tr> <tr> <td>Width 17.5 mm</td> <td>Depth 71 mm</td> </tr> <tr> <td></td> <td>Width 35 mm</td> </tr> </tbody> </table>  	Accessories	Page	Auxiliary contacts	→ 19/24	Shunt releases		Mounting accessories	→ 19/25	1 pole	2 pole;	Depth 71 mm	1N pole	Width 17.5 mm	Depth 71 mm		Width 35 mm
Accessories	Page																					
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Shunt releases																						
Mounting accessories	→ 19/25																					
1 pole	2 pole;																					
Depth 71 mm	1N pole																					
Width 17.5 mm	Depth 71 mm																					
	Width 35 mm																					
	3	FAZ-C3/1-DC 279123		FAZ-C3/2-DC 279135																		
	4	FAZ-C4/1-DC 279124		FAZ-C4/2-DC 279136																		
	6	FAZ-C6/1-DC 279125		FAZ-C6/2-DC 279137																		
	10	FAZ-C10/1-DC 279126		FAZ-C10/2-DC 279138																		
	13	FAZ-C13/1-DC 279127		FAZ-C13/2-DC 279139																		
	16	FAZ-C16/1-DC 279128		FAZ-C16/2-DC 279140																		
	20	FAZ-C20/1-DC 279129		FAZ-C20/2-DC 279141																		
	25	FAZ-C25/1-DC 279130		FAZ-C25/2-DC 279142																		
	32	FAZ-C32/1-DC 279131		FAZ-C32/2-DC 279143																		
	40	FAZ-C40/1-DC 279132		FAZ-C40/2-DC 279144																		
	50	FAZ-C50/1-DC 279133		FAZ-C50/2-DC 279145																		

Notes

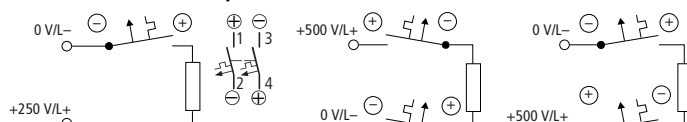
Circuit design notes




Note polarity!

1 pole



2 pole



	Rated operational current I_n A	1 pole			2 pole With 2 protected poles			3 pole With 3 protected poles				
			Part no. Article no.	Price See price list	Std. pack		Part no. Article no.	Price See price list	Std. pack		Part no. Article no.	Price See price list
AZ miniature circuit-breakers												
Characteristic C	20	AZ-C20 211769		12 off	AZ-2-C20 211770		2 off	AZ-3-C20 211771		1 off		
Response current of short-circuit release 5 - 10 x I_n	25	AZ-C25 211774		12 off	AZ-2-C25 211775		2 off	AZ-3-C25 211776		1 off		
Switching capacity 15 - 25 kA (IEC/EN 60947-2)	32	AZ-C32 211779		12 off	AZ-2-C32 211780		2 off	AZ-3-C32 211781		1 off		
	40	AZ-C40 211784		12 off	AZ-2-C40 211785		2 off	AZ-3-C40 211786		1 off		
	50	AZ-C50 211789		12 off	AZ-2-C50 211790		2 off	AZ-3-C50 211791		1 off		
	63	AZ-C63 211794		12 off	AZ-2-C63 211795		2 off	AZ-3-C63 211796		1 off		
	80	AZ-C80 211799		12 off	AZ-2-C80 211800		2 off	AZ-3-C80 211801		1 off		
	100	AZ-C100 211804		12 off	AZ-2-C100 211805		2 off	AZ-3-C100 211806		1 off		
	125	AZ-C125 211809		12 off	AZ-2-C125 211810		2 off	AZ-3-C125 211811		1 off		
Characteristic D	50	AZ-D50 211814		12 off	AZ-2-D50 211815		2 off	AZ-3-D50 211816		1 off		
Instantaneous release response current 10 - 20 x I_n	63	AZ-D63 211818		12 off	AZ-2-D63 211819		2 off	AZ-3-D63 211820		1 off		
Switching capacity 15 - 25 kA (IEC/EN 60947-2)	80	AZ-D80 211822		12 off	AZ-2-D80 211823		2 off	AZ-3-D80 211824		1 off		
	100	AZ-D100 211826		12 off	AZ-2-D100 211827		2 off	AZ-3-D100 211828		1 off		



4 pole With 4 protected poles			4 pole With 3 protected poles, N switching with poles				
	Part no. Article no.	Price See price list	Std. pack		Part no. Article no.	Price See price list	Std. pack Notes
AZ-4-C20 211772			1 off	AZ-3N-C20 211773			1 off
AZ-4-C25 211777			1 off	AZ-3N-C25 211778			1 off
AZ-4-C32 211782			1 off	AZ-3N-C32 211783			1 off
AZ-4-C40 211787			1 off	AZ-3N-C40 211788			1 off
AZ-4-C50 211792			1 off	AZ-3N-C50 211793			1 off
AZ-4-C63 211797			1 off	AZ-3N-C63 211798			1 off
AZ-4-C80 211802			1 off	AZ-3N-C80 211803			1 off
AZ-4-C100 211807			1 off	AZ-3N-C100 211808			1 off
AZ-4-C125 211812			1 off	AZ-3N-C125 211813			1 off
				AZ-3N-D50 211817			1 off
				AZ-3N-D63 211821			1 off
				AZ-3N-D80 211825			1 off
				AZ-3N-D100 211829			1 off

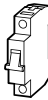
For switching capacity refer to Technical Data

Accessories **Page**

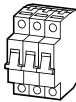
Auxiliary contacts, shunt releases → 19/24

Mounting accessories → 19/25

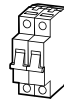
1 pole
Depth 75 mm
Width 27 mm



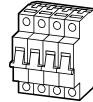
3 pole
Depth 75 mm
Width 81 mm



2 pole
Depth 75 mm
Width 54 mm



4 pole; 3 pole + N
Depth 75 mm
Width 108 mm



Rated uninterrupted current I_u A	2 pole		4 pole		Std. pack
	Part no. Article no.	Price See price list	Part no. Article no.	Price See price list	

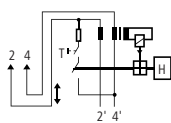
Residual-current protective modules for FAZ					
Rated fault current $I_{\Delta N} = 30 \text{ mA}$	40	FIM-40/2/0.03-A 278510	FIM-40/4/0.03-A 278514		1 off
Rated fault current $I_{\Delta N} = 30 \text{ mA}$	63	FIM-63/2/0.03-A 278512	FIM-63/4/0.03-A 278516		
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	40	FIM-40/2/0.3-A 278511	FIM-40/4/0.3-A 278515		
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	63	FIM-63/2/0.3-A 278513	FIM-63/4/0.3-A 278517		

Rated uninterrupted current I_u A	2 pole		4 pole		4 pole Selective		Std. pack
	Part no. Article no.	Price See price list	Part no. Article no.	Price See price list	Part no. Article no.	Price See price list	

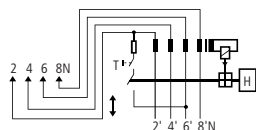
Residual-current protective modules for AZ					
Rated fault current $I_{\Delta N} = 30 \text{ mA}$	80		AZFIMP-4-80-0,03 255484		1 off
Rated fault current $I_{\Delta N} = 30 \text{ mA}$	125		AZFIMP-4-125-0,03 255488		
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	80	AZFIMP-2-80-0,3 255477	AZFIMP-4-80-0,3 255485	AZFIMS-4-80-0,3 255492	
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	125	AZFIMP-2-125-0,3 255481	AZFIMP-4-125-0,3 255489	AZFIMS-4-125-0,3 255495	

Notes

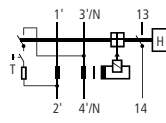
FIM-.../2/...



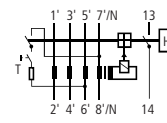
FIM-.../4/...



AZFIMP-2-...



AZFIMP-4-...
AZFIMS-4-...



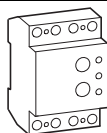
Pole	Rated operational current I_n A	Response value Earth-fault release $I_{\Delta n}$ A	Part no. Article no.	Price See price list	Std. pack
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Leakage current meter

- 4 pole, can also be used as 2 and 3 pole
- Electronic operation (independent of mains voltage)

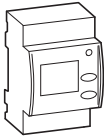
- , non-delayed

- Type G or part no. S can be set
- → 19/55

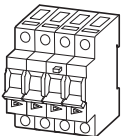
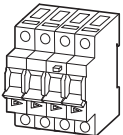
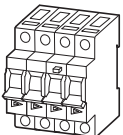
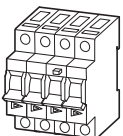
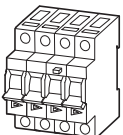


4 pole	40	0.03 0.1 0.3 0.5 1.0	PDIM-40/4 111760		1 off
4 pole	100	0.03 0.1 0.3 0.5 1.0	PDIM-100/4 111761		1 off

		2 pole		2 pole		
	Rated operational current I_n A	Part no. Article no. Rated fault current $I_{\Delta N} = 30 \text{ mA}$	Price See price list	Part no. Article no. Rated fault current $I_{\Delta N} = 300 \text{ mA}$	Price See price list	Std. pack
PKNM combination switches, type A						
Characteristic B Switching capacity 10 kA	6	PKNM-6/1N/B/003-A-DW 238580		PKNM-6/1N/B/03-A-DW 238582		1 off
	10	PKNM-10/1N/B/003-A-DW 238640		PKNM-10/1N/B/03-A-DW 238642		
	13	PKNM-13/1N/B/003-A-DW 238701		PKNM-13/1N/B/03-A-DW 238703		
	16	PKNM-16/1N/B/003-A-DW 238773		PKNM-16/1N/B/03-A-DW 238775		
	20	PKNM-20/1N/B/003-A-DW 238807		PKNM-20/1N/B/03-A-DW 238809		
	25	PKNM-25/1N/B/003-A-DW 238837		PKNM-25/1N/B/03-A-DW 238839		
	32	PKNM-32/1N/B/003-A-DW 238867		PKNM-32/1N/B/03-A-DW 238869		
	40	PKNM-40/1N/B/003-A-DW 238896		PKNM-40/1N/B/03-A-DW 238898		
Characteristic C Switching capacity 10 kA	6	PKNM-6/1N/C/003-A-DW 238590		PKNM-6/1N/C/03-A-DW 238592		
	10	PKNM-10/1N/C/003-A-DW 238650		PKNM-10/1N/C/03-A-DW 238652		
	13	PKNM-13/1N/C/003-A-DW 238713		PKNM-13/1N/C/03-A-DW 238715		
	16	PKNM-16/1N/C/003-A-DW 238785		PKNM-16/1N/C/03-A-DW 238787		
	20	PKNM-20/1N/C/003-A-DW 238817		PKNM-20/1N/C/03-A-DW 238819		
	25	PKNM-25/1N/C/003-A-DW 238847		PKNM-25/1N/C/03-A-DW 238849		
	32	PKNM-32/1N/C/003-A-DW 238877		PKNM-32/1N/C/03-A-DW 238879		
	40	PKNM-40/1N/C/003-A-DW 238906		PKNM-40/1N/C/03-A-DW 238908		

	Pole	Description	Rated operational current I_n A	Part no. Article no.	Price See price list	Std. pack
Power meter						
Power meter to IEC/EN 62053 for sub measurements						
<ul style="list-style-type: none"> For active/reactive energy Three-phase models also suitable for unbalanced load Programmable through 2 keys on device front Front plate and terminal area can be sealed 						
	3 + N	Connection through current transformer	5	KWZ-3PH 110825		1 off
	3 + N	Connection through current transformer	63	KWZ-3PH-63 110826		



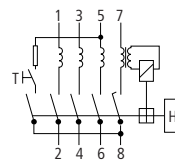
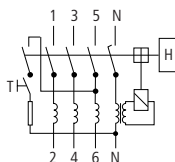
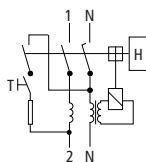
		3 pole + N	3 pole + N	3 pole + N	Price	Std. pack
	Rated operational current I_n A	Part no. Article no. Rated fault current $I_{\Delta N} = 30$ mA	Part no. Article no. Rated fault current $I_{\Delta N} = 100$ mA	Part no. Article no. Rated fault current $I_{\Delta N} = 300$ mA	See price list	
FI/LS combination switches mRB6						
<ul style="list-style-type: none"> Conditionally surge-proof 250 A Pulse-current sensitive, Type A Depth 75 mm Width 70 mm 						
Characteristic B Switching capacity 6 kA 	13	mRB6-13/3N/B/003-A 120651	mRB6-13/3N/B/01-A 120653	mRB6-13/3N/B/03-A 120655		1 off
	16	mRB6-16/3N/B/003-A 120652	mRB6-16/3N/B/01-A 120654	mRB6-16/3N/B/03-A 120656		1 off
Characteristic C Switching capacity 6 kA 	6	mRB6-6/3N/C/003-A 120657	mRB6-6/3N/C/01-A 120661	mRB6-6/3N/C/03-A 120665		1 off
	10	mRB6-10/3N/C/003-A 120658	mRB6-10/3N/C/01-A 120662	mRB6-10/3N/C/03-A 120666		1 off
	13	mRB6-13/3N/C/003-A 120659	mRB6-13/3N/C/01-A 120663	mRB6-13/3N/C/03-A 120667		1 off
	16	mRB6-16/3N/C/003-A 120660	mRB6-16/3N/C/01-A 120664	mRB6-16/3N/C/03-A 120668		1 off
Characteristic D Switching capacity 6 kA 	6	mRB6-6/3N/D/003-A 120669	mRB6-6/3N/D/01-A 120673			1 off
	10	mRB6-10/3N/D/003-A 120670	mRB6-10/3N/D/01-A 120674			1 off
	13	mRB6-13/3N/D/003-A 120671	mRB6-13/3N/D/01-A 120675			1 off
	16	mRB6-16/3N/D/003-A 120672	mRB6-16/3N/D/01-A 120676			1 off
FI-LS combination switches mRB4						
<ul style="list-style-type: none"> Conditionally surge-proof 250 A Pulse-current sensitive, Type A Depth 75 mm Width 70 mm 						
Characteristic C Switching capacity 4.5 kA 	20	mRB4-20/3N/C/003-A 120677	mRB4-20/3N/C/01-A 120679	mRB4-20/3N/C/03-A 120681		1 off
	25	mRB4-25/3N/C/003-A 120678	mRB4-25/3N/C/01-A 120680	mRB4-25/3N/C/03-A 120682		1 off
Characteristic D Switching capacity 4.5 kA 	20	mRB4-20/3N/D/003-A 120683	mRB4-20/3N/D/01-A 120684			1 off

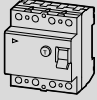
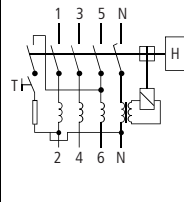
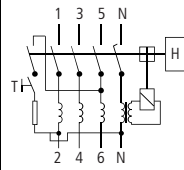
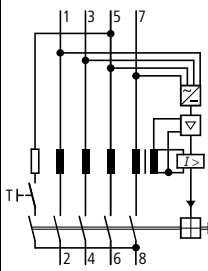
Rated uninterrupted current I_u A	2 pole		Std. pack	4 pole		Std. pack
	Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	
Residual-current devices FI, type A						
Rated fault current $I_{\Delta N} = 30 \text{ mA}$	16	FI-16/2/003-A 279183	1 off			1 off
	25	FI-25/2/003-A 279184	1 off	FI-25/4/003-A 279213		
	40	FI-40/2/003-A 279187	1 off	FI-40/4/003-A 279217		
	63			FI-63/4/003-A 279221		
	80			FI-80/4/003-A 279225		
	100			FI-100/4/003-A/- 102936		
	125			FI-125/4/003-A 279165		
Rated fault current $I_{\Delta N} = 100 \text{ mA}$	25	FI-25/2/01-A 279185	1 off	FI-25/4/01-A 279214		
	40	FI-40/2/01-A 279188	1 off	FI-40/4/01-A 279218		
	63			FI-63/4/01-A 279222		
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	25	FI-25/2/03-A 279186	1 off	FI-25/4/03-A 279215		
	40	FI-40/2/03-A 279189	1 off	FI-40/4/03-A 279219		
	63			FI-63/4/03-A 279223		
	80			FI-80/4/03-A 279226		
	100			FI-100/4/03-A/- 102937		
	125			FI-125/4/03-A 279167		
Rated fault current $I_{\Delta N} = 500 \text{ mA}$	25			FI-25/4/05-A 279216		
	40			FI-40/4/05-A 279220		
	63			FI-63/4/05-A 279224		
	80			FI-80/4/05-A 279227		
	100			FI-100/4/05-A/- 102938		
	125			FI-125/4/05-A 279169		

Notes

≤ 100 A

125 A

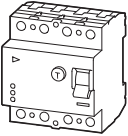


		4 pole				
						
	Rated uninterrupted current I_u A	Part no. Article no.	Price See price list	Std. pack	Notes	
Suitable for frequency inverters, type U						
Rated fault current $I_{\Delta N} = 100 \text{ mA}$	40	FI-40/4/01-U 279234		1 off		
	63	FI-63/4/01-U 279236		1 off		
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	40	FI-40/4/03-U 279235		1 off		
	63	FI-63/4/03-U 279237		1 off		
Selective and surge-proof 5 kA, type S/A						
Rated fault current $I_{\Delta N} = 100 \text{ mA}$	63	FI-63/4/01-S/A 279228		1 off		
	63	FI-63/4/03-S/A 279229		1 off		
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	80	FI-80/4/03-S/A 279230		1 off		
AC/DC sensitive, Type B						
Rated fault current $I_{\Delta N} = 30 \text{ mA}$	40	FI-40/4/003-B 240710		1 off	 <p>For use in 50 Hz AC current systems with electrical equipment such as frequency inverters, UPS systems or switched-mode power supply units. During a malfunction electrical equipment can cause AC fault currents and pulsed DC fault currents as well as smoothed d.c. fault currents, where residual-current devices of type C will not trip. The residual-current devices FI-B detect all fault current types in accordance with the trip characteristic of IEC 60755, i.e. even pulsating d.c. fault current.</p> <ul style="list-style-type: none"> • Caution: In some countries the insurance companies place special demands on residual-current devices. • Contact position display red-green • Position independent function • Trip occurs independent of the mains voltage (currents type AC and A) • 30 V AC necessary for detection of type B current • Mains connection side at top • Type S/B 40 ms delay and selective switch off • Auxiliary contacts on request 	
	63	FI-63/4/003-B 240711		1 off		
	80	FI-80/4/003-B 240712		1 off		
	125 ¹⁾	FI-125/4/003-B 240717		1 off		
Rated fault current $I_{\Delta N} = 100 \text{ mA}$	40	FI-40/4/01-B 279170		1 off		
	63	FI-63/4/01-B 279171		1 off		
	80	FI-80/4/01-B 279172		1 off		
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	40	FI-40/4/03-B 279173		1 off		
	63	FI-63/4/03-B 279174		1 off		
	80	FI-80/4/03-B 279175		1 off		
125 ¹⁾	FI-125/4/03-B 240727		1 off			
AC/DC sensitive, selective, S/B type						
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	40	FI-40/4/03-S/B 281022		1 off		
	63	FI-63/4/03-S/B 281023		1 off		
	80	FI-80/4/03-S/B 281024		1 off		


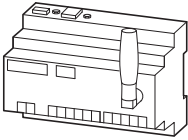

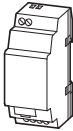
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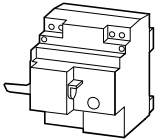
¹⁾ Neutral conductor right, with 125 A neutral conductor on left



	Rated operational current I_n A	Part no. Article no.	Price See price list	Std. pack	
Residual-current devices dRCM, digital					
<ul style="list-style-type: none"> • 4 pole • Contact position display red-green • Trip indication white/blue 					
	Surge-proof 3 kA, pulse-current sensitive, Type G/A				
	Rated fault current $I_{\Delta N} = 30 \text{ mA}$	25	dRCM-25/4/003-G/A+ 120834		1 off
		40	dRCM-40/4/003-G/A+ 120836		1 off
		63	dRCM-63/4/003-G/A+ 120838		1 off
		80	dRCM-80/4/003-G/A+ 120840		1 off
	Rated fault current $I_{\Delta N} = 300 \text{ mA}$	25	dRCM-25/4/03-G/A+ 120835		1 off
		40	dRCM-40/4/03-G/A+ 120837		1 off
		63	dRCM-63/4/03-G/A+ 120839		1 off
		80	dRCM-80/4/03-G/A+ 120841		1 off
	Surge-proof 3 kA, X-ray applications, Type R				
	Rated fault current $I_{\Delta N} = 30 \text{ mA}$	63	dRCM-63/4/003-R+ 120842		1 off
	Selective and surge-proof typ. 5 kA, pulse-current sensitive, Type S/A				
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	40	dRCM-40/4/03-S/A+ 120843		1 off	
	63	dRCM-63/4/03-S/A+ 120844		1 off	
	80	dRCM-80/4/03-S/A+ 120845		1 off	
Selective and surge-proof typ. 5 kA, suitable for frequency inverters, Type U					
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	40	dRCM-40/4/03-U+ 120851		1 off	
	63	dRCM-63/4/03-U+ 120847		1 off	
	80	dRCM-80/4/03-U+ 120848		1 off	
Short-time delayed and surge-proof 3 kA, suitable for frequency inverters, Type U					
Rated fault current $I_{\Delta N} = 30 \text{ mA}$	40	dRCM-40/4/003-U+ 120850		1 off	
	63	dRCM-63/4/003-U+ 120846		1 off	

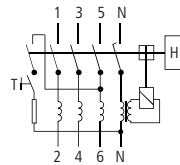
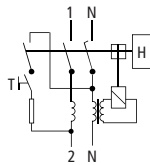































		Part no. Article no.	Price See price list	Std. pack	Information relevant for export to North America 
Remote monitoring unit					
<ul style="list-style-type: none"> GSM-based universal remote monitoring and control through SMS Configuration and status monitoring through SMS Built-in modem monitoring and associated status indication through front-mounted LEDs 2 changeover contacts 4 digital inputs, 2 relay outputs 					
	–	Z-CC/2CO 119383		1 off	
Accessories for remote monitoring unit					
Power adaptor	24 V, 0.2 A	EASY200-POW 229424		1 off 	Product Standards IEC/EN see Technical Data; UL 508; CSA C22.2 No. 142-M1987; CSA C22.2 No. 213-M1987; CE marking UL File No. E135462 UL CCN NRAQ CSA File No. 012528 CSA Class No. 2252-01 + 2258-02 NA Certification UL Listed, CSA certified Degree of Protection IEC: IP20, UL/CSA Type: -
					
Temperature sensor		Z-CC/2CO-SE 119430		1 off	

		Part no. Article no.	Price See price list	Std. pack
Remote switching modules				
<ul style="list-style-type: none"> IEC/EN 60669-2-2 For remote switching and automatic restart of FAZ miniature circuit-breakers and FI residual-current devices up to 80 A, except Type B Mechanically lockable and sealable LED indication of operational status and alarm status Mechanical switching capacity up to FAZ-...63 and up to FI-80..., except Type B (-XFSM) -25 °C/+40 °C Rated operating voltage 24 - 240 V AC, 24 - 48 V DC Terminal capacity 2 x 1.5 mm²; 1 x 2.5 mm²; 0.4 Nm Mechanical/electrical lifespan 10 000 switching operations Power consumption 5 W 				
	220 - 240 V AC	FAZ/FIP-XAWM 262514		1 off
	48 V DC	FAZ/FIP-XDWM 274404		1 off
Remote test module				
<ul style="list-style-type: none"> External test module with test resistor for RCCB devices Version adapted for rated fault currents with stipulated "external" test button function 				
–	0.01 A	Z-FW/001 248297		4 off
	0.03 A	Z-FW/003 248298		4 off
	0.1 A	Z-FW/010 248299		4 off
	0.3 A	Z-FW/030 248300		4 off
	0.5 A	Z-FW/050 248301		4 off

		2 pole		4 pole		4 pole Selective and surge-proof 5 kA	
Rated uninterrupted current I_u A		Part no. Article no.	Price See price list	Std. pack	Part no. Article no.	Price See price list	Std. pack
FI residual-current devices, only for export (AC type)							
Rated fault current $I_{\Delta N} = 30 \text{ mA}$	16	FI-16/2/003 279176		1 off			
	25	FI-25/2/003 279177			FI-25/4/003 279196	1 off	
	40	FI-40/2/003 279180			FI-40/4/003 279200		
	63	FI-63/2/003 279190			FI-63/4/003 279204		
	80	FI-80/2/003 279192			FI-80/4/003 279208		
Rated fault current $I_{\Delta N} = 100 \text{ mA}$	25	FI-25/2/01 279178		FI-25/4/01 279197			
	40	FI-40/2/01 279181		FI-40/4/01 279201			
	63	FI-63/2/01 279191		FI-63/4/01 279205	FI-63/4/01-S 279210	1 off	
	80	FI-80/2/01 279193		FI-80/4/01 279231			
Rated fault current $I_{\Delta N} = 300 \text{ mA}$	25	FI-25/2/03 279179		FI-25/4/03 279198			
	40	FI-40/2/03 279182		FI-40/4/03 279202			
	80			FI-63/4/03 279206	FI-63/4/03-S 279211	1 off	
	25			FI-80/4/03 279209	FI-80/4/03-S 279212	1 off	
Rated fault current $I_{\Delta N} = 500 \text{ mA}$	40			FI-25/4/05 279199			
	63			FI-40/4/05 279203			
	16			FI-63/4/05 279207			

Notes





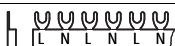
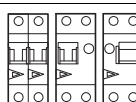
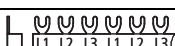
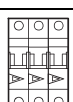
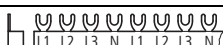
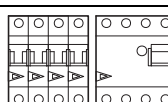


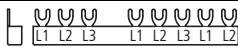
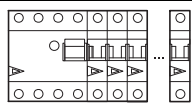
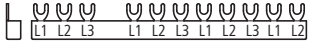
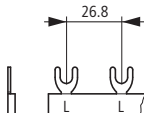

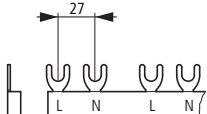
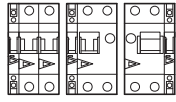


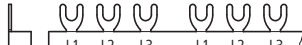
For use with	Contacts	Contact sequences	Space units, 1 space unit = 18 mm Space unit	Part no. Article no.	Price See price list	Std. pack
	Number					
Auxiliary contacts and shunt releases						
Auxiliary contacts for FAZ, AZ, PKNM						
	FAZ... PKNM... to 63 A	1 N/O/ 1 NC		0.5	FAZ-XHIN11³⁾ 286054	10 off 
	FAZ... PKNM... to 63 A	1 C		0.5	FAZ-XHINW1⁴⁾ 286055	10 off 
	AZ... to 125 A	1 N/O/ 1 NC		0.5	AZ-XHI11 212067	8 off
Trip-indicating auxiliary contact/auxiliary contact for FAZ, PKNM¹⁾						
	FAZ... PKNM... to 63 A	2 C		0.5	FAZ-XAM002⁵⁾ 262414	10 off 
Auxiliary contacts for FI						
	FI... 16 - 100 A, except type B	1 N/O/ 1 NC		0.5	FIP-XHI11 225121	10 off
	FI... ²⁾ 125 A and all type B	1 NC / 1 N/O		0.5	FIPA-XAM011 262578	1 off
Shunt releases for FAZ, PKNM, AZ						
	FAZ... PKNM... to 63 A	—		1	FAZ-XAA-C-12-110VAC 278518	1 off
	FAZ... PKNM... to 63 A	—		1	FAZ-XAA-C-110-415VAC 278519	1 off
	AZ... to 125 A	—		1.5	AZ-XAA(110-415VAC) 212059	8 off
	AZ... to 125 A	—		1.5	AZ-XAA(12-60VAC) 212061	8 off
Undervoltage releases for FAZ						
	FAZ... —	—		1	FAZ-XUA(115VAC) 212049	7 off
	FAZ... —	—		1	FAZ-XUA(230VAC) 212051	7 off
	FAZ... —	—		1	FAZ-XUA(400VAC) 212053	7 off
MCB lock for FAZ/FIP						
	FAZ... FIP... —	—	—	—	IS/SPE-1TE 101911	5 off

Notes



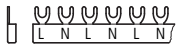
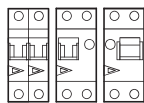
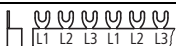
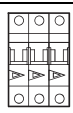

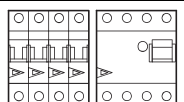
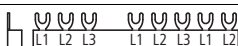
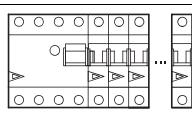
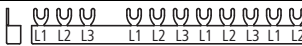
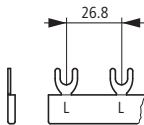

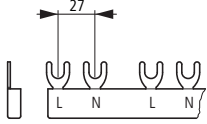
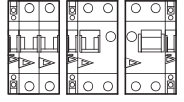
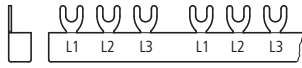
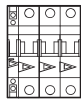
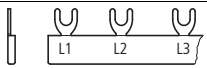

- The device is supplied with the groove in the yellow selector button in the horizontal: Changeover contact 4.11 – 4.12/4.14 switches when tripped manually or electrically. Turning the yellow selector button by 90° results in contact 4.11 – 4.12/4.14 responding only to electrical tripping: the contact 4.11 – 4.12/4.14 remains closed when tripped by hand.
- The device is supplied with the "Auxiliary contacts" function set such that both contacts switch on manual **and** electrical tripping. A change of function to "Signalling switch" means that both contacts switch **only** under fault conditions.

Information relevant for export to North America

- Product Standards IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No. E177451
UL CCN QVNU2, QVNU9
CSA File No. —
CSA Class No. 3215-30
NA Certification UL Recognized, certified by UL for use in Canada
Degree of Protection IEC: IP20; UL/CSA Type: —
- Product Standards IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No. E177451
UL CCN QVNU2
NA Certification UL Recognized, request filed for CSA
Degree of Protection IEC: IP20; UL/CSA Type: —
- Product Standards IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
UL File No. E177451
UL CCN QVNU2, QVNU8
CSA File No. —
CSA Class No. 3215-30
NA Certification UL Recognized, certified by UL for use in Canada
Degree of Protection IEC: IP20; UL/CSA Type: —

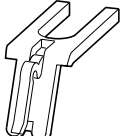

	Phases Number	Devices Number	Part no. Article no.	Price See price list	Std. pack	Notes
Euro-Vario busbars (fork connector)						
<ul style="list-style-type: none"> No end caps required Do not shorten 						
10 mm²						
<ul style="list-style-type: none"> Rated operational current 63 A 						
For PXL, PXF, P XK, PFIM-U, PFNM						
	1	2	EVG-1PHAS/2MODUL 215646		40 off	
	1	6	EVG-1PHAS/6MODUL 215638		40 off	
	1	12	EVG-1PHAS/12MODUL 215637		40 off	
	2	4	EVG-2PHAS/4MODUL 268220		20 off	
	2	6	EVG-2PHAS/6MODUL 215642		20 off	
	2	12	EVG-2PHAS/12MODUL 215641		20 off	
	3	6	EVG-3PHAS/6MODUL 215640		20 off	
	3	9	EVG-3PHAS/9MODUL 215645		20 off	
	3	12	EVG-3PHAS/12MODUL 215639		20 off	
	3	16	EVG-3PHAS/16MODUL 285381		20 off	
	3	20	EVG-3PHAS/20MODUL 285383		10 off	
	4	8	EVG-4PHAS/8MODUL 215644		10 off	
	4	12	EVG-4PHAS/12MODUL 215643		10 off	
	4	16	EVG-3P+3N/16MODUL 105215		20 off	
	4	18	EVG-3P+3N/18MODUL 274161		20 off	
For 2 pole combination RCCB/circuit-breaker with a width of 3 space units						
	1	2 - 5	EVG-1PHAS/2-5MODUL/FILES 285384		40 off	
For combined use of 4 pole residual-current devices with miniature circuit-breakers						
	3	4 + 5	EVG-3PHAS/N/5MODUL/LS 215659		20 off	
	3	4 + 8	EVG-3PHAS/N/8MODUL/LS 215660		20 off	
For use with auxiliary contacts						
	1	2.5	EVG-1PHAS/2MODUL/HI 215655		40 off	
	1	13	EVG-1PHAS/9MODUL/HI 215656		40 off	
	2	4.5	EVG-2PHAS/4MODUL/HI 219573		20 off	
	2	12	EVG-2PHAS/10MODUL/HI 215657		20 off	
	3	6.5	EVG-3PHAS/6MODUL/HI 216411		20 off	
	3	13.5	EVG-3PHAS/12MODUL/HI 215658		20 off	



	Phases Number	Devices Number	Part no. Article no.	Price See price list	Std. pack	Notes
Euro-Vario busbars (fork connector)						
<ul style="list-style-type: none"> No end caps required Do not shorten 						
16 mm²						
<ul style="list-style-type: none"> Rated operational current 100 A 						
For FAZ..., FI...						
	1	2	EVG-16/1PHAS/2MODUL 291464		40 off	
	1	6	EVG-16/1PHAS/6MODUL 291465		40 off	
	1	12	EVG-16/1PHAS/12MODUL 291466		40 off	
	2	4	EVG-16/2PHAS/4MODUL 291467		20 off	
	2	6	EVG-16/2PHAS/6MODUL 291468		20 off	
	2	12	EVG-16/2PHAS/12MODUL 291469		20 off	
	3	6	EVG-16/3PHAS/6MODUL 291470		20 off	
	3	9	EVG-16/3PHAS/9MODUL 291471		20 off	
	3	12	EVG-16/3PHAS/12MODUL 291472		20 off	
	3	16	EVG-16/3PHAS/16MODUL 291473		20 off	
	3	20	EVG-16/3PHAS/20MODUL 291474		10 off	
	3	24	EVG-16/3PHAS/24MODUL 291475		10 off	
	4	8	EVG-16/4PHAS/8MODUL 291475		10 off	
	4	12	EVG-16/4PHAS/12MODUL 291476		10 off	
For combined use of 4 pole residual-current devices with miniature circuit-breakers						
	3	4 + 5	EVG-16/3PHAS/N/5MODUL/LS 291477		20 off	
	3	4 + 8	EVG-16/3PHAS/N/8MODUL/LS 291478		20 off	
For use with auxiliary contacts						
	1	2	EVG-16/1PHAS/2MODUL/HI 291479		20 off	
	1	6	EVG-16/1PHAS/6MODUL/HI 291480		40 off	
	1	9	EVG-16/1PHAS/9MODUL/HI 291481		40 off	
	2	2	EVG-16/2PHAS/4MODUL/HI 291482		20 off	
	2	3	EVG-16/2PHAS/6MODUL/HI 291483		20 off	
	2	5	EVG-16/2PHAS/10MODUL/HI 291484		20 off	
	3	2	EVG-16/3PHAS/6MODUL/HI 291485		20 off	
	3	4	EVG-16/3PHAS/12MODUL/HI 291486		20 off	
	3 x 1	6	EVG-16/3X1PHAS/6MODUL/HI 291487		20 off	
	3 x 1	8	EVG-16/3X1PHAS/8MODUL/HI 291488		20 off	
	3 x 1	9	EVG-16/3X1PHAS/9MODUL/HI 291489		20 off	







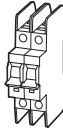
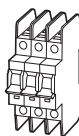
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	Pole	Rated operational current I_e A	Cross section mm ²	Length m	Part no. Article no.	Price See price list	Std. pack
Comb-shaped phase busbar							
1-phase, 80 A	1	80	16	1	Z-GV-16/1P-1TE 271061		50 off
3-phase, 63 A	3	63	10	1	Z-GV-10/3P-3TE 271060		20 off
3-phase, 80 A	3	80	16	1	Z-GV-16/3P-3TE 271064		20 off
4-phase, 80 A	4	80	16	1	Z-GV-16/3P+N-4TE 271066		15 off
End caps	3	–	10	–	Z-AK-10/2+3P 271069		10 off
	3	–	16	–	Z-AK-16/2+3P 271070		10 off
	4	–	16	–	Z-AK-16/4P 271071		10 off
Incoming terminals							
4.3 Nm, touch-proof busbar connection to miniature circuit-breaker	–	–	25	–	FAZ-XK25 212116		50 off
M5: 3.0 Nm, M8: 4.3 Nm touch-proof connection to FAZ-XIS... busbar	–	–	35	–	FAZ-XK35 212119		10 off
Busbar tag shroud							
For masking of unused connections on the busbar	–	–	–	–	ZV-BS-G 104903		10 off
Bracket for securing of covers 2 required per row of MCBs	–	–	–	–	REG-BB 212106		20 off
Terminal bracket, 80 A							
Same extension terminal, turned by 180°							
	L1, N	80	–	–	ZV-L1/N-80A-10 263950		10 off
	L1, N	80	–	–	ZV-L1/N-80A-36 263951		36 off
	L1, N	80	–	–	ZV-L1/N-80A-100 263952		100 off
	L2, L3	80	–	–	ZV-L2/L3-80A-10 263953		10 off
	L2, L3	80	–	–	ZV-L2/L3-80A-36 263954		36 off
	L2, L3	80	–	–	ZV-L2/L3-80A-100 263955		100 off
Busbars							
1 m long.							
	–	50	–	1	ZV-SS 263956		10 off
	–	80	–	1	ZV-SS-80A 263957		10 off
Shroud section							
1 m long, for 50 and 80 A.							
–	–	–	–	–	ZV-ADP 263958		1 off
End cap for shroud section							
–	–	–	–	–	ZV-AEK 263959		10 off







Rated operational current I_n A	Interrupting capacity (SCCR) kA	Special approval for protection of AWG 18 or AWG 16 to NFPA70 (NEC) and NFPA 79	1 pole		Std. pack	2 pole		Std. pack
			Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	
Miniature circuit-breakers FAZ-NA								
<ul style="list-style-type: none"> • Characteristic B • Switching capacity 15 kA IEC 								
1	10	AWG 18	FAZ-B1/1-NA¹⁾ 132414		2 off 	FAZ-B1/2-NA¹⁾ 132693		1 off
1.5	10	AWG 18	FAZ-B1,5/1-NA¹⁾ 132415			FAZ-B1,5/2-NA¹⁾ 132694		
2	10	AWG 18	FAZ-B2/1-NA¹⁾ 132416			FAZ-B2/2-NA¹⁾ 132695		
3	10	AWG 18	FAZ-B3/1-NA¹⁾ 132417			FAZ-B3/2-NA¹⁾ 132696		
4	10	AWG 18	FAZ-B4/1-NA¹⁾ 132418			FAZ-B4/2-NA¹⁾ 132697		
5	10	AWG 18	FAZ-B5/1-NA¹⁾ 132419			FAZ-B5/2-NA¹⁾ 132698		
6	10	AWG 18	FAZ-B6/1-NA¹⁾ 132680			FAZ-B6/2-NA¹⁾ 132699		
7	10	AWG 18	FAZ-B7/1-NA¹⁾ 132681			FAZ-B7/2-NA¹⁾ 132700		
8	10	AWG 16	FAZ-B8/1-NA¹⁾ 132682			FAZ-B8/2-NA¹⁾ 132701		
10	10	AWG 16	FAZ-B10/1-NA¹⁾ 132683			FAZ-B10/2-NA¹⁾ 132702		
13	10	–	FAZ-B13/1-NA¹⁾ 132684			FAZ-B13/2-NA¹⁾ 132703		
15	14	–	FAZ-B15/1-NA¹⁾ 132685			FAZ-B15/2-NA¹⁾ 132704		
16	14	–	FAZ-B16/1-NA¹⁾ 132686			FAZ-B16/2-NA¹⁾ 132705		
20	14	–	FAZ-B20/1-NA¹⁾ 132687			FAZ-B20/2-NA¹⁾ 132706		
25	14	–	FAZ-B25/1-NA¹⁾ 132688			FAZ-B25/2-NA¹⁾ 132707		
30	10	–	FAZ-B30/1-NA¹⁾ 132689			FAZ-B30/2-NA¹⁾ 132708		
32	10	–	FAZ-B32/1-NA¹⁾ 132690			FAZ-B32/2-NA¹⁾ 132709		
35	10	–	FAZ-B35/1-NA²⁾ 132691			FAZ-B35/2-NA²⁾ 132710		
40	10	–	FAZ-B40/1-NA²⁾ 132692			FAZ-B40/2-NA²⁾ 132711		




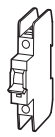
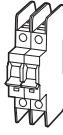
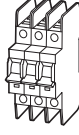


<p>3 pole</p>  <p>Part no. Article no.</p> <p>Price See price list</p>	<p>Std. pack</p>	<p>Information relevant for export to North America</p> 	<p>Notes</p>
<p>FAZ-B1/3-NA¹⁾ 132712</p>	<p>1 off</p> 	<p>¹⁾ Product Standards IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking E235139 UL File No. E235139 UL CCN DIVQ CSA File No. 204453 CSA Class No. 1432-01 NA Certification UL Listed, CSA certified Suitable for Feeder circuits, branch circuits Current Limiting CB ✓ Max. Voltage Rating ≤ 32 A 1 pole: 277 V AC, 48 V DC 2 pole: 480 Y/277 V AC, 96 V DC 3 pole: 480 Y/277 V AC</p>	<p>Accessories → 19/40</p> <p>1 pole Depth 75 mm Width 17.7 mm</p> 
<p>FAZ-B1.5/3-NA¹⁾ 132713</p>			
<p>FAZ-B2/3-NA¹⁾ 132714</p>			
<p>FAZ-B3/3-NA¹⁾ 132715</p>			
<p>FAZ-B4/3-NA¹⁾ 132716</p>			
<p>FAZ-B5/3-NA¹⁾ 132717</p>			
<p>FAZ-B6/3-NA¹⁾ 132718</p>		<p>Degree of Protection IEC: IP20, UL/CSA Type: -</p>	<p>2 pole Depth 75 mm Width 35.4 mm</p>
<p>FAZ-B7/3-NA¹⁾ 132719</p>		<p>²⁾ Product Standards IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking E235139 UL File No. E235139 UL CCN DIVQ CSA File No. 204453 CSA Class No. 1432-01 NA Certification UL Listed, CSA certified Suitable for Feeder circuits, branch circuits Current Limiting CB ✓ Max. Voltage Rating > 32 A 1 pole: 240 V AC, 48 V DC 2 pole: 240 V AC, 96 V DC 3 pole: 240 V AC</p>	<p>3 pole Depth 75 mm Width 53.1 mm</p> 
<p>FAZ-B8/3-NA¹⁾ 132720</p>			
<p>FAZ-B10/3-NA¹⁾ 132721</p>			
<p>FAZ-B13/3-NA¹⁾ 132722</p>			
<p>FAZ-B15/3-NA¹⁾ 132723</p>			
<p>FAZ-B16/3-NA¹⁾ 132724</p>			
<p>FAZ-B20/3-NA¹⁾ 132725</p>		<p>Degree of Protection IEC: IP20, UL/CSA Type: -</p>	
<p>FAZ-B25/3-NA¹⁾ 132726</p>		<p>FAZ-NA can also be used where FAZ Supplementary Protectors to UL 1077 are sufficient.</p>	
<p>FAZ-B30/3-NA¹⁾ 132727</p>			
<p>FAZ-B32/3-NA¹⁾ 132728</p>			
<p>FAZ-B35/3-NA²⁾ 132729</p>			
<p>FAZ-B40/3-NA²⁾ 132730</p>			







Rated operational current I_n A	Interrupting capacity (SCCR) kA	Special approval for protection of AWG 18 or AWG 16 to NFPA70 (NEC) and NFPA 79	1 pole		Std. pack	2 pole		Std. pack
			Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	
Miniature circuit-breakers FAZ-NA								
<ul style="list-style-type: none"> Characteristic C Switching capacity 15 kA IEC 								
0.5	10	AWG 18	FAZ-C0,5/1-NA¹⁾ 102077		2 off  	FAZ-C0.5/2-NA¹⁾ 102157		1 off  
1	10	AWG 18	FAZ-C1/1-NA¹⁾ 102078			FAZ-C1/2-NA¹⁾ 102158		
1.5	10	AWG 18	FAZ-C0,5/1-NA¹⁾ 102079			FAZ-C1.5/2-NA¹⁾ 102159		
2	10	AWG 18	FAZ-C2/1-NA¹⁾ 102080			FAZ-C2/2-NA¹⁾ 102160		
3	10	AWG 18	FAZ-C3/1-NA¹⁾ 102081			FAZ-C3/2-NA¹⁾ 102161		
4	10	AWG 18	FAZ-C4/1-NA¹⁾ 102082			FAZ-C4/2-NA¹⁾ 102162		
5	10	AWG 18	FAZ-C5/1-NA¹⁾ 102083			FAZ-C5/2-NA¹⁾ 102163		
6	10	AWG 18	FAZ-C6/1-NA¹⁾ 102084			FAZ-C6/2-NA¹⁾ 102164		
7	10	AWG 18	FAZ-C7/1-NA¹⁾ 102085			FAZ-C7/2-NA¹⁾ 102165		
8	10	AWG 16	FAZ-C8/1-NA¹⁾ 102086			FAZ-C8/2-NA¹⁾ 102166		
10	10	AWG 16	FAZ-C10/1-NA¹⁾ 102087			FAZ-C10/2-NA¹⁾ 102167		
13	10	–	FAZ-C13/1-NA¹⁾ 102088			FAZ-C13/2-NA¹⁾ 102168		
15	14	–	FAZ-C15/1-NA¹⁾ 102089			FAZ-C15/2-NA¹⁾ 102169		
16	14	–	FAZ-C16/1-NA¹⁾ 102090			FAZ-C16/2-NA¹⁾ 102170		
20	14	–	FAZ-C20/1-NA¹⁾ 102091			FAZ-C20/2-NA¹⁾ 102171		
25	14	–	FAZ-C25/1-NA¹⁾ 102092			FAZ-C25/2-NA¹⁾ 102172		
30	10	–	FAZ-C30/1-NA¹⁾ 102093			FAZ-C30/2-NA¹⁾ 102173		
32	10	–	FAZ-C32/1-NA¹⁾ 102094			FAZ-C32/2-NA¹⁾ 102174		
35	10	–	FAZ-C35/1-NA²⁾ 102095			FAZ-C35/2-NA²⁾ 102175		
40	10	–	FAZ-C40/1-NA²⁾ 102096			FAZ-C40/2-NA²⁾ 102176		




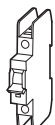
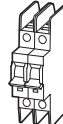
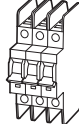


<p>3 pole</p>  <p>Part no. Article no.</p> <p>Price See price list</p>	<p>Std. pack</p>	<p> Information relevant for export to North America</p>	<p>Notes</p>
<p>FAZ-C0.5/3-NA¹⁾ 102237</p>	<p>1 off </p>	<p>¹⁾ Product Standards IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking</p>	<p>Accessories → 19/40</p>
<p>FAZ-C1/3-NA¹⁾ 102238</p>		<p>UL File No. E235139 UL CCN DIVQ</p>	<p>1 pole Depth 75 mm Width 17.7 mm</p>
<p>FAZ-C1.5/3-NA¹⁾ 102239</p>		<p>CSA File No. 204453 CSA Class No. 1432-01</p>	
<p>FAZ-C2/3-NA¹⁾ 102240</p>		<p>NA Certification UL Listed, CSA certified Suitable for Feeder circuits, branch circuits</p>	
<p>FAZ-C3/3-NA¹⁾ 102241</p>		<p>Current Limiting CB ✓ Max. Voltage Rating ≤ 32 A</p>	
<p>FAZ-C4/3-NA¹⁾ 102242</p>		<p>1 pole: 277 V AC, 48 V DC 2 pole: 480 Y/277 V AC, 96 V DC</p>	<p>2 pole Depth 75 mm Width 35.4 mm</p>
<p>FAZ-C5/3-NA¹⁾ 102243</p>		<p>Degree of Protection IEC: IP20, UL/CSA Type: -</p>	
<p>FAZ-C6/3-NA¹⁾ 102244</p>		<p>²⁾ Product Standards IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking</p>	
<p>FAZ-C7/3-NA¹⁾ 102245</p>		<p>UL File No. E235139 UL CCN DIVQ</p>	
<p>FAZ-C8/3-NA¹⁾ 102246</p>		<p>CSA File No. 204453 CSA Class No. 1432-01</p>	
<p>FAZ-C10/3-NA¹⁾ 102247</p>		<p>NA Certification UL Listed, CSA certified Suitable for Feeder circuits, branch circuits</p>	
<p>FAZ-C13/3-NA¹⁾ 102248</p>		<p>Current Limiting CB ✓ Max. Voltage Rating > 32 A</p>	
<p>FAZ-C15/3-NA¹⁾ 102249</p>		<p>1 pole: 240 V AC, 48 V DC 2 pole: 240 V AC, 96 V DC</p>	<p>3 pole Depth 75 mm Width 53.1 mm</p>
<p>FAZ-C16/3-NA¹⁾ 102250</p>		<p>Degree of Protection IEC: IP20, UL/CSA Type: -</p>	
<p>FAZ-C20/3-NA¹⁾ 102251</p>		<p>FAZ-NA can also be used where FAZ Supplementary Protectors to UL 1077 are sufficient.</p>	
<p>FAZ-C25/3-NA¹⁾ 102252</p>			
<p>FAZ-C30/3-NA¹⁾ 102253</p>			
<p>FAZ-C32/3-NA¹⁾ 102254</p>			
<p>FAZ-C35/3-NA²⁾ 102255</p>			
<p>FAZ-C40/3-NA²⁾ 102256</p>			



Rated operational current I_n A	Interrupting capacity (SCCR) kA	Special approval for protection of AWG 18 or AWG 16 to NFPA70 (NEC) and NFPA 79	1 pole		Std. pack	2 pole		Std. pack
			Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	
Miniature circuit-breakers FAZ-NA								
<ul style="list-style-type: none"> Characteristic D Switching capacity 15 kA IEC 								
0.5	10	AWG 18	FAZ-D0,5/1-NA⁽¹⁾ 102097		2 off  	FAZ-D0.5/2-NA⁽¹⁾ 102177		1 off  
1	10	AWG 18	FAZ-D1/1-NA⁽¹⁾ 102098			FAZ-D1/2-NA⁽¹⁾ 102178		
1.5	10	AWG 18	FAZ-D0,5/1-NA⁽¹⁾ 102099			FAZ-D1.5/2-NA⁽¹⁾ 102179		
2	10	AWG 18	FAZ-D2/1-NA⁽¹⁾ 102100			FAZ-D2/2-NA⁽¹⁾ 102180		
3	10	AWG 18	FAZ-D3/1-NA⁽¹⁾ 102101			FAZ-D3/2-NA⁽¹⁾ 102181		
4	10	AWG 18	FAZ-D4/1-NA⁽¹⁾ 102102			FAZ-D4/2-NA⁽¹⁾ 102182		
5	10	AWG 18	FAZ-D5/1-NA⁽¹⁾ 102103			FAZ-D5/2-NA⁽¹⁾ 102183		
6	10	AWG 18	FAZ-D6/1-NA⁽¹⁾ 102104			FAZ-D6/2-NA⁽¹⁾ 102184		
7	10	AWG 18	FAZ-D7/1-NA⁽¹⁾ 102105			FAZ-D7/2-NA⁽¹⁾ 102185		
8	10	AWG 16	FAZ-D8/1-NA⁽¹⁾ 102106			FAZ-D8/2-NA⁽¹⁾ 102186		
10	10	AWG 16	FAZ-D10/1-NA⁽¹⁾ 102107			FAZ-D10/2-NA⁽¹⁾ 102187		
13	10	–	FAZ-D13/1-NA⁽¹⁾ 102108			FAZ-D13/2-NA⁽¹⁾ 102188		
15	14	–	FAZ-D15/1-NA⁽¹⁾ 102109			FAZ-D15/2-NA⁽¹⁾ 102189		
16	14	–	FAZ-D16/1-NA⁽¹⁾ 102110			FAZ-D16/2-NA⁽¹⁾ 102190		
20	14	–	FAZ-D20/1-NA⁽¹⁾ 102111			FAZ-D20/2-NA⁽¹⁾ 102191		
25	14	–	FAZ-D25/1-NA⁽¹⁾ 102112			FAZ-D25/2-NA⁽¹⁾ 102192		
30	10	–	FAZ-D30/1-NA⁽¹⁾ 102113			FAZ-D30/2-NA⁽¹⁾ 102193		
32	10	–	FAZ-D32/1-NA⁽¹⁾ 102114			FAZ-D32/2-NA⁽¹⁾ 102194		
35	10	–	FAZ-D35/1-NA⁽²⁾ 102115			FAZ-D35/2-NA⁽²⁾ 102195		
40	10	–	FAZ-D40/1-NA⁽²⁾ 102116			FAZ-D40/2-NA⁽²⁾ 102196		





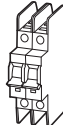
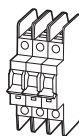


<p>3 pole</p>  <p>Part no. Article no.</p> <p>Price See price list</p>	<p>Std. pack</p>	<p> Information relevant for export to North America</p>	<p>Notes</p>
<p>FAZ-D0.5/3-NA¹⁾ 102257</p>	<p>1 off </p>	<p>¹⁾ Product Standards IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking</p>	<p>Accessories → 19/40</p>
<p>FAZ-D1/3-NA¹⁾ 102258</p>		<p>UL File No. E235139 UL CCN DIVQ</p>	<p>1 pole Depth 75 mm Width 17.7 mm</p>
<p>FAZ-D1.5/3-NA¹⁾ 102259</p>		<p>CSA File No. 204453 CSA Class No. 1432-01</p>	
<p>FAZ-D2/3-NA¹⁾ 102260</p>		<p>NA Certification UL Listed, CSA certified Suitable for Feeder circuits, branch circuits</p>	
<p>FAZ-D3/3-NA¹⁾ 102261</p>		<p>Current Limiting CB ✓ Max. Voltage Rating ≤ 32 A</p>	
<p>FAZ-D4/3-NA¹⁾ 102262</p>		<p>1 pole: 277 V AC, 48 V DC 2 pole: 480 Y/277 V AC, 96 V DC</p>	
<p>FAZ-D5/3-NA¹⁾ 102263</p>		<p>3 pole: 480 Y/277 V AC Degree of Protection IEC: IP20, UL/CSA Type: -</p>	<p>2 pole Depth 75 mm Width 35.4 mm</p>
<p>FAZ-D6/3-NA¹⁾ 102264</p>		<p>²⁾ Product Standards IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking</p>	
<p>FAZ-D7/3-NA¹⁾ 102265</p>		<p>UL File No. E235139 UL CCN DIVQ</p>	
<p>FAZ-D8/3-NA¹⁾ 102266</p>		<p>CSA File No. 204453 CSA Class No. 1432-01</p>	
<p>FAZ-D10/3-NA¹⁾ 102267</p>		<p>NA Certification UL Listed, CSA certified Suitable for Feeder circuits, branch circuits</p>	
<p>FAZ-D13/3-NA¹⁾ 102268</p>		<p>Current Limiting CB ✓ Max. Voltage Rating > 32 A</p>	<p>3 pole Depth 75 mm Width 53.1 mm</p>
<p>FAZ-D15/3-NA¹⁾ 102269</p>		<p>1 pole: 240 V AC, 48 V DC 2 pole: 240 V AC, 96 V DC</p>	
<p>FAZ-D16/3-NA¹⁾ 102270</p>		<p>3 pole: 240 V AC Degree of Protection IEC: IP20, UL/CSA Type: -</p>	
<p>FAZ-D20/3-NA¹⁾ 102271</p>		<p>FAZ-NA can also be used where FAZ Supplementary Protectors to UL 1077 are sufficient.</p>	
<p>FAZ-D25/3-NA¹⁾ 102272</p>			
<p>FAZ-D30/3-NA¹⁾ 102273</p>			
<p>FAZ-D32/3-NA¹⁾ 102274</p>			
<p>FAZ-D35/3-NA²⁾ 102275</p>			
<p>FAZ-D40/3-NA²⁾ 102276</p>			



Rated operational current I_n A	Interrupting capacity (SCCR) kA	Special approval for protection of AWG 18 or AWG 16 to NFPA70 (NEC) and NFPA 79	1 pole		Std. pack	2 pole		Std. pack
			Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	
Miniature circuit-breakers FAZ-RT								
<ul style="list-style-type: none"> • With ring cable lug connection • Characteristic B • Switching capacity 15 kA IEC 								
1	10	AWG 18	FAZ-B1/1-RT⁽¹⁾ 132731		2 off 	FAZ-B1/2-RT⁽¹⁾ 132750		1 off
1.5	10	AWG 18	FAZ-B1,5/1-RT⁽¹⁾ 132732			FAZ-B1,5/2-RT⁽¹⁾ 132751		
2	10	AWG 18	FAZ-B2/1-RT⁽¹⁾ 132733			FAZ-B2/2-RT⁽¹⁾ 132752		
3	10	AWG 18	FAZ-B3/1-RT⁽¹⁾ 132734			FAZ-B3/2-RT⁽¹⁾ 132753		
4	10	AWG 18	FAZ-B4/1-RT⁽¹⁾ 132735			FAZ-B4/2-RT⁽¹⁾ 132754		
5	10	AWG 18	FAZ-B5/1-RT⁽¹⁾ 132736			FAZ-B5/2-RT⁽¹⁾ 132755		
6	10	AWG 18	FAZ-B6/1-RT⁽¹⁾ 132737			FAZ-B6/2-RT⁽¹⁾ 132756		
7	10	AWG 18	FAZ-B7/1-RT⁽¹⁾ 132738			FAZ-B7/2-RT⁽¹⁾ 132757		
8	10	AWG 16	FAZ-B8/1-RT⁽¹⁾ 132739			FAZ-B8/2-RT⁽¹⁾ 132758		
10	10	AWG 16	FAZ-B10/1-RT⁽¹⁾ 132740			FAZ-B10/2-RT⁽¹⁾ 132759		
13	10	–	FAZ-B13/1-RT⁽¹⁾ 132741			FAZ-B13/2-RT⁽¹⁾ 132760		
15	14	–	FAZ-B15/1-RT⁽¹⁾ 132742			FAZ-B15/2-RT⁽¹⁾ 132761		
16	14	–	FAZ-B16/1-RT⁽¹⁾ 132743			FAZ-B16/2-RT⁽¹⁾ 132762		
20	14	–	FAZ-B20/1-RT⁽¹⁾ 132744			FAZ-B20/2-RT⁽¹⁾ 132763		
25	14	–	FAZ-B25/1-RT⁽¹⁾ 132745			FAZ-B25/2-RT⁽¹⁾ 132764		
30	10	–	FAZ-B30/1-RT⁽¹⁾ 132746			FAZ-B30/2-RT⁽¹⁾ 132765		
32	10	–	FAZ-B32/1-RT⁽¹⁾ 132747			FAZ-B32/2-RT⁽¹⁾ 132766		
35	10	–	FAZ-B35/1-RT⁽²⁾ 132748			FAZ-B35/2-RT⁽²⁾ 132767		
40	10	–	FAZ-B40/1-RT⁽²⁾ 132749			FAZ-B40/2-RT⁽²⁾ 132768		







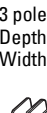



<p>3 pole</p>  <p>Part no. Article no.</p> <p>Price See price list</p>	<p>Std. pack</p>	<p> Information relevant for export to North America</p>	<p>Notes</p>
<p>FAZ-B1/3-RT¹⁾ 132769</p>	<p>1 off</p> 	<p>¹⁾ Product Standards IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking</p>	<p>Accessories → 19/40</p>
<p>FAZ-B1.5/3-RT¹⁾ 132770</p>		<p>UL File No. E235139</p>	<p>1 pole Depth 75 mm Width 17.7 mm</p>
<p>FAZ-B2/3-RT¹⁾ 132771</p>		<p>UL CCN DIVQ</p>	
<p>FAZ-B3/3-RT¹⁾ 132772</p>		<p>CSA File No. 204453</p>	
<p>FAZ-B4/3-RT¹⁾ 132773</p>		<p>CSA Class No. 1432-01</p>	
<p>FAZ-B5/3-RT¹⁾ 132774</p>		<p>NA Certification UL Listed, CSA certified</p>	
<p>FAZ-B6/3-RT¹⁾ 132775</p>		<p>Suitable for Feeder circuits, branch circuits</p>	
<p>FAZ-B7/3-RT¹⁾ 132776</p>		<p>Current Limiting CB ✓</p>	
<p>FAZ-B8/3-RT¹⁾ 132777</p>		<p>Max. Voltage Rating ≤ 32 A</p>	
<p>FAZ-B10/3-RT¹⁾ 132778</p>		<p>1 pole: 277 V AC, 48 V DC</p>	 <p>2 pole Depth 75 mm Width 35.4 mm</p>
<p>FAZ-B13/3-RT¹⁾ 132779</p>		<p>2 pole: 480 Y/277 V AC, 96 V DC</p>	
<p>FAZ-B15/3-RT¹⁾ 132780</p>		<p>3 pole: 480 Y/277 V AC</p>	
<p>FAZ-B16/3-RT¹⁾ 132781</p>		<p>Degree of Protection IEC: IP20, UL/CSA Type: -</p>	
<p>FAZ-B20/3-RT¹⁾ 132782</p>		<p>²⁾ Product Standards IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking</p>	 <p>3 pole Depth 75 mm Width 53.1 mm</p>
<p>FAZ-B25/3-RT¹⁾ 132783</p>		<p>UL File No. E235139</p>	
<p>FAZ-B30/3-RT¹⁾ 132784</p>		<p>UL CCN DIVQ</p>	
<p>FAZ-B32/3-RT¹⁾ 132785</p>		<p>CSA File No. 204453</p>	
<p>FAZ-B35/3-RT²⁾ 132786</p>		<p>CSA Class No. 1432-01</p>	
<p>FAZ-B40/3-RT²⁾ 132787</p>		<p>NA Certification UL Listed, CSA certified</p>	
		<p>Suitable for Feeder circuits, branch circuits</p>	
		<p>Current Limiting CB ✓</p>	
		<p>Max. Voltage Rating > 32 A</p>	
		<p>1 pole: 240 V AC, 48 V DC</p>	
		<p>2 pole: 240 V AC, 96 V DC</p>	
		<p>3 pole: 240 V AC</p>	
		<p>Degree of Protection IEC: IP20, UL/CSA Type: -</p>	
		<p>FAZ-RT can also be used where FAZ Supplementary Protectors to UL 1077 are sufficient.</p>	



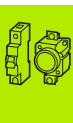
Rated operational current I_n A	Interrupting capacity (SCCR) kA	Special approval for protection of AWG 18 or AWG 16 to NFPA70 (NEC) and NFPA 79	1 pole		Std. pack	2 pole		Std. pack
			Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	
Miniature circuit-breakers FAZ-RT								
<ul style="list-style-type: none"> • With ring cable lug connection • Characteristic C • Switching capacity 15 kA IEC 								
0.5	10	AWG 18	FAZ-C0,5/1-RT⁽¹⁾ 102117		2 off 	FAZ-C0,5/2-RT⁽¹⁾ 102197		1 off
1	10	AWG 18	FAZ-C1/1-RT⁽¹⁾ 102118			FAZ-C1/2-RT⁽¹⁾ 102198		
1.5	10	AWG 18	FAZ-C0,5/1-RT⁽¹⁾ 102119			FAZ-C1,5/2-RT⁽¹⁾ 102199		
2	10	AWG 18	FAZ-C2/1-RT⁽¹⁾ 102120			FAZ-C2/2-RT⁽¹⁾ 102200		
3	10	AWG 18	FAZ-C3/1-RT⁽¹⁾ 102121			FAZ-C3/2-RT⁽¹⁾ 102201		
4	10	AWG 18	FAZ-C4/1-RT⁽¹⁾ 102122			FAZ-C4/2-RT⁽¹⁾ 102202		
5	10	AWG 18	FAZ-C5/1-RT⁽¹⁾ 102123			FAZ-C5/2-RT⁽¹⁾ 102203		
6	10	AWG 18	FAZ-C6/1-RT⁽¹⁾ 102124			FAZ-C6/2-RT⁽¹⁾ 102204		
7	10	AWG 18	FAZ-C7/1-RT⁽¹⁾ 102125			FAZ-C7/2-RT⁽¹⁾ 102205		
8	10	AWG 16	FAZ-C8/1-RT⁽¹⁾ 102126			FAZ-C8/2-RT⁽¹⁾ 102206		
10	10	AWG 16	FAZ-C10/1-RT⁽¹⁾ 102127			FAZ-C10/2-RT⁽¹⁾ 102207		
13	10	–	FAZ-C13/1-RT⁽¹⁾ 102128			FAZ-C13/2-RT⁽¹⁾ 102208		
15	14	–	FAZ-C15/1-RT⁽¹⁾ 102129			FAZ-C15/2-RT⁽¹⁾ 102209		
16	14	–	FAZ-C16/1-RT⁽¹⁾ 102130			FAZ-C16/2-RT⁽¹⁾ 102210		
20	14	–	FAZ-C20/1-RT⁽¹⁾ 102131			FAZ-C20/2-RT⁽¹⁾ 102211		
25	14	–	FAZ-C25/1-RT⁽¹⁾ 102132			FAZ-C25/2-RT⁽¹⁾ 102212		
30	10	–	FAZ-C30/1-RT⁽¹⁾ 102133			FAZ-C30/2-RT⁽¹⁾ 102213		
32	10	–	FAZ-C32/1-RT⁽¹⁾ 102134			FAZ-C32/2-RT⁽¹⁾ 102214		
35	10	–	FAZ-C35/1-RT⁽²⁾ 102135			FAZ-C35/2-RT⁽²⁾ 102215		
40	10	–	FAZ-C40/1-RT⁽²⁾ 102136			FAZ-C40/2-RT⁽²⁾ 102216		




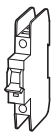
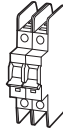
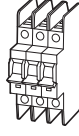


<p>3 pole</p>  <p>Part no. Article no.</p> <p>Price See price list</p>	<p>Std. pack</p>	<p>Information relevant for export to North America</p> 	<p>Notes</p>
<p>FAZ-C0.5/3-RT¹⁾ 102277</p>	<p>1 off</p> 	<p>¹⁾ Product Standards</p>	<p>Accessories → 19/40</p>
<p>FAZ-C1/3-RT¹⁾ 102278</p>		<p>IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking E235139</p>	<p>1 pole Depth 75 mm Width 17.7 mm</p>
<p>FAZ-C1.5/3-RT¹⁾ 102279</p>		<p>UL File No. UL CCN CSA File No. CSA Class No.</p>	
<p>FAZ-C2/3-RT¹⁾ 102280</p>		<p>DIVQ 204453 1432-01</p>	
<p>FAZ-C3/3-RT¹⁾ 102281</p>		<p>NA Certification Suitable for Current Limiting CB Max. Voltage Rating</p>	
<p>FAZ-C4/3-RT¹⁾ 102282</p>		<p>UL Listed, CSA certified Feeder circuits, branch circuits ✓ ≤ 32 A 1 pole: 277 V AC, 48 V DC 2 pole: 480 Y/277 V AC, 96 V DC 3 pole: 480 Y/277 V AC</p>	<p>2 pole Depth 75 mm Width 35.4 mm</p>
<p>FAZ-C5/3-RT¹⁾ 102283</p>		<p>Degree of Protection</p>	
<p>FAZ-C6/3-RT¹⁾ 102284</p>		<p>²⁾ Product Standards</p>	
<p>FAZ-C7/3-RT¹⁾ 102285</p>		<p>IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking E235139</p>	
<p>FAZ-C8/3-RT¹⁾ 102286</p>		<p>UL File No. UL CCN CSA File No. CSA Class No.</p>	
<p>FAZ-C10/3-RT¹⁾ 102287</p>		<p>DIVQ 204453 1432-01</p>	
<p>FAZ-C13/3-RT¹⁾ 102288</p>		<p>NA Certification Suitable for Current Limiting CB Max. Voltage Rating</p>	<p>3 pole Depth 75 mm Width 53.1 mm</p>
<p>FAZ-C15/3-RT¹⁾ 102289</p>		<p>UL Listed, CSA certified Feeder circuits, branch circuits ✓ > 32 A 1 pole: 240 V AC, 48 V DC 2 pole: 240 V AC, 96 V DC 3 pole: 240 V AC</p>	
<p>FAZ-C16/3-RT¹⁾ 102290</p>		<p>Degree of Protection</p>	
<p>FAZ-C20/3-RT¹⁾ 102291</p>		<p>IEC: IP20, UL/CSA Type: -</p>	
<p>FAZ-C25/3-RT¹⁾ 102292</p>		<p>FAZ-RT can also be used where FAZ Supplementary Protectors to UL 1077 are sufficient.</p>	
<p>FAZ-C30/3-RT¹⁾ 102293</p>			
<p>FAZ-C32/3-RT¹⁾ 102294</p>			
<p>FAZ-C35/3-RT²⁾ 102295</p>			
<p>FAZ-C40/3-RT²⁾ 102296</p>			

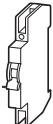
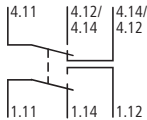

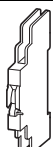


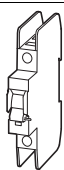
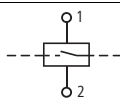




Rated operational current I_n A	Interrupting capacity (SCCR) kA	Special approval for protection of AWG 18 or AWG 16 to NFPA70 (NEC) and NFPA 79	1 pole		Std. pack	2 pole		Std. pack
			Part no. Article no.	Price See price list		Part no. Article no.	Price See price list	
Miniature circuit-breakers FAZ-RT								
<ul style="list-style-type: none"> • With ring cable lug connection • Characteristic D • Switching capacity 15 kA IEC 								
0.5	10	AWG 18	FAZ-D0,5/1-RT⁽¹⁾ 102137		2 off 	FAZ-D0,5/2-RT⁽¹⁾ 102217		1 off
1	10	AWG 18	FAZ-D1/1-RT⁽¹⁾ 102138			FAZ-D1/2-RT⁽¹⁾ 102218		
1.5	10	AWG 18	FAZ-D0,5/1-RT⁽¹⁾ 102139			FAZ-D1,5/2-RT⁽¹⁾ 102219		
2	10	AWG 18	FAZ-D2/1-RT⁽¹⁾ 102140			FAZ-D2/2-RT⁽¹⁾ 102220		
3	10	AWG 18	FAZ-D3/1-RT⁽¹⁾ 102141			FAZ-D3/2-RT⁽¹⁾ 102221		
4	10	AWG 18	FAZ-D4/1-RT⁽¹⁾ 102142			FAZ-D4/2-RT⁽¹⁾ 102222		
5	10	AWG 18	FAZ-D5/1-RT⁽¹⁾ 102143			FAZ-D5/2-RT⁽¹⁾ 102223		
6	10	AWG 18	FAZ-D6/1-RT⁽¹⁾ 102144			FAZ-D6/2-RT⁽¹⁾ 102224		
7	10	AWG 18	FAZ-D7/1-RT⁽¹⁾ 102145			FAZ-D7/2-RT⁽¹⁾ 102225		
8	10	AWG 16	FAZ-D8/1-RT⁽¹⁾ 102146			FAZ-D8/2-RT⁽¹⁾ 102226		
10	10	AWG 16	FAZ-D10/1-RT⁽¹⁾ 102147			FAZ-D10/2-RT⁽¹⁾ 102227		
13	10	–	FAZ-D13/1-RT⁽¹⁾ 102148			FAZ-D13/2-RT⁽¹⁾ 102228		
15	14	–	FAZ-D15/1-RT⁽¹⁾ 102149			FAZ-D15/2-RT⁽¹⁾ 102229		
16	14	–	FAZ-D16/1-RT⁽¹⁾ 102150			FAZ-D16/2-RT⁽¹⁾ 102230		
20	14	–	FAZ-D20/1-RT⁽¹⁾ 102151			FAZ-D20/2-RT⁽¹⁾ 102231		
25	14	–	FAZ-D25/1-RT⁽¹⁾ 102152			FAZ-D25/2-RT⁽¹⁾ 102232		
30	10	–	FAZ-D30/1-RT⁽¹⁾ 102153			FAZ-D30/2-RT⁽¹⁾ 102233		
32	10	–	FAZ-D32/1-RT⁽¹⁾ 102154			FAZ-D32/2-RT⁽¹⁾ 102234		
35	10	–	FAZ-D35/1-RT⁽²⁾ 102155			FAZ-D35/2-RT⁽²⁾ 102235		
40	10	–	FAZ-D40/1-RT⁽²⁾ 102156			FAZ-D40/2-RT⁽²⁾ 102236		



<p>3 pole</p>  <p>Part no. Article no.</p> <p>Price See price list</p>	<p>Std. pack</p>	<p> Information relevant for export to North America</p>	<p>Notes</p>
<p>FAZ-D0.5/3-RT¹⁾ 102297</p>	<p>1 off</p>	<p>¹⁾ Product Standards</p>	<p>Accessories → 19/40</p>
<p>FAZ-D1/3-RT¹⁾ 102298</p>	<p></p>	<p>IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking</p>	<p>1 pole Depth 75 mm Width 17.7 mm</p>
<p>FAZ-D1.5/3-RT¹⁾ 102299</p>		<p>UL File No. E235139</p>	
<p>FAZ-D2/3-RT¹⁾ 102300</p>		<p>UL CCN DIVQ</p>	
<p>FAZ-D3/3-RT¹⁾ 102301</p>		<p>CSA File No. 204453</p>	
<p>FAZ-D4/3-RT¹⁾ 102302</p>		<p>CSA Class No. 1432-01</p>	
<p>FAZ-D5/3-RT¹⁾ 102303</p>		<p>NA Certification UL Listed, CSA certified</p>	<p>2 pole Depth 75 mm Width 35.4 mm</p>
<p>FAZ-D6/3-RT¹⁾ 102304</p>		<p>Suitable for Feeder circuits, branch circuits</p>	
<p>FAZ-D7/3-RT¹⁾ 102305</p>		<p>Current Limiting CB ✓</p>	
<p>FAZ-D8/3-RT¹⁾ 102306</p>		<p>Max. Voltage Rating ≤ 32 A</p>	
<p>FAZ-D10/3-RT¹⁾ 102307</p>		<p>1 pole: 277 V AC, 48 V DC</p>	
<p>FAZ-D13/3-RT¹⁾ 102308</p>		<p>2 pole: 480 Y/277 V AC, 96 V DC</p>	<p>3 pole Depth 75 mm Width 53.1 mm</p>
<p>FAZ-D15/3-RT¹⁾ 102309</p>		<p>3 pole: 480 Y/277 V AC</p>	
<p>FAZ-D16/3-RT¹⁾ 102310</p>		<p>IEC: IP20, UL/CSA Type: -</p>	
<p>FAZ-D20/3-RT¹⁾ 102311</p>		<p>²⁾ Product Standards</p>	
<p>FAZ-D25/3-RT¹⁾ 102312</p>		<p>IEC/EN 60947-2; UL 489; CSA-C22.2 No. 5-09; CE marking</p>	
<p>FAZ-D30/3-RT¹⁾ 102313</p>		<p>UL File No. E235139</p>	
<p>FAZ-D32/3-RT¹⁾ 102314</p>		<p>UL CCN DIVQ</p>	
<p>FAZ-D35/3-RT²⁾ 102315</p>		<p>CSA File No. 204453</p>	
<p>FAZ-D40/3-RT²⁾ 102316</p>		<p>CSA Class No. 1432-01</p>	
<p></p>		<p>NA Certification UL Listed, CSA certified</p>	
<p></p>		<p>Suitable for Feeder circuits, branch circuits</p>	
<p></p>		<p>Current Limiting CB ✓</p>	
<p></p>		<p>Max. Voltage Rating > 32 A</p>	
<p></p>		<p>1 pole: 240 V AC, 48 V DC</p>	
<p></p>		<p>2 pole: 240 V AC, 96 V DC</p>	
<p></p>		<p>3 pole: 240 V AC</p>	
<p></p>		<p>IEC: IP20, UL/CSA Type: -</p>	
<p></p>		<p>FAZ-RT can also be used where FAZ Supplementary Protectors to UL 1077 are sufficient.</p>	



Contacts	Contact sequences	Space units 1 PLE = 18 mm	For use with	Part no. Article no.	Price See price list	Std. pack
<p>C = Changeover contact N/O = normally open contact NC = normally closed contact</p>						
Accessories for FAZ-NA, FAZ-RT						
Tripping signal contact						
<ul style="list-style-type: none"> The function of one of the two changeover contacts can be changed from "auxiliary contact" to "tripping signal contact". 						
	2 C		0.5	FAZ-NA FAZ-RT	Z-NHK 248434	4 off 
Auxiliary contacts						
<ul style="list-style-type: none"> Suitable for FAZ-NA > 480V/277 V AC 						
	1 N/O 1 NC		0.5	FAZ-NA FAZ-RT	Z-IHK-NA 113895	1 off 
Shunt releases						
<ul style="list-style-type: none"> Standard auxiliary contacts can be fitted in addition Position indicator red/green 						
	-		1	FAZ-NA FAZ-RT	FAZ-XAA-NA110-415VAC 102036	1 off 
	-		1	FAZ-NA FAZ-RT	FAZ-XAA-NA12-110VAC 102037	1 off 

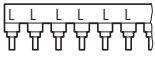


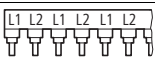

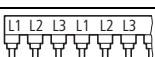

Information relevant for export to North America



Product Standards	IEC/EN 60898; UL 489; CSA-C22.2 No. 5-09; CE marking
UL File No.	E257181
UL CCN	DIHS, DIHS7
CSA File No.	204453
CSA Class No.	1437-01
NA Certification	UL Listed, CSA certified
Degree of Protection	IEC: IP20, UL/CSA Type: -



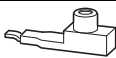

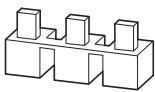

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Phases Number	Devices Number	Part no. Article no.	Price See price list	Std. pack	Notes
Accessories for FAZ-NA, FAZ-RT					
Busbars (pin), UL 489					
<ul style="list-style-type: none"> • 16 mm² • Rated operational current 80 A • For FAZ-NA, FAZ-RT • Do not shorten 					
	1	6	Z-SV/UL-16/1P-1TE/6 104892	10 off 	
	1	12	Z-SV/UL-16/1P-1TE/12 104893		
	1	18	Z-SV/UL-16/1P-1TE/18 104894		
	2	6	Z-SV/UL-16/2P-2TE/6 104895		
	2	12	Z-SV/UL-16/2P-2TE/12 104896		
	2	18	Z-SV/UL-16/2P-2TE/18 104897		
	3	6	Z-SV/UL-16/3P-3TE/6 104898		
	3	12	Z-SV/UL-16/3P-3TE/12 104899		
	3	18	Z-SV/UL-16/3P-3TE/18 104900		


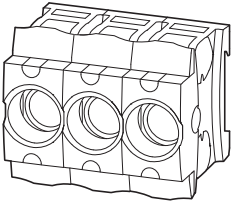


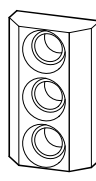
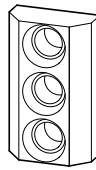
Information relevant for export to North America



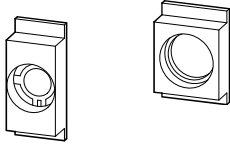

Product Standards	IEC/EN 60898; UL 489; CE marking
UL File No.	E257181
UL CCN	NMTR2, DIHS2
CSA File No.	-
CSA Class No.	-
NA Certification	UL Recognized
Suitable for	Feeder Circuit, Branch Circuit
Max. Voltage Rating	Refer to main components FAZ, FAZ-NA, FAZ-RT
Degree of Protection	IEC: IP20, UL/CSA Type: -


For use with	Part no. Article no.	Price See price list	Std. pack	Information relevant for export to North America																		
Accessories for FAZ-NA, FAZ-RT																						
Connecting bracket																						
<ul style="list-style-type: none"> • 2.5 - 35 mm², AWG 14-2 • UL 489 																						
	FAZ-NA FAZ-RT	Z-EK/35/UL 104901	3 off 	<table> <tr> <td>Product Standards</td> <td>IEC/EN 60898; UL 489; CE marking</td> </tr> <tr> <td>UL File No.</td> <td>E257181</td> </tr> <tr> <td>UL CCN</td> <td>NMTR2, DIHS2</td> </tr> <tr> <td>CSA File No.</td> <td>-</td> </tr> <tr> <td>CSA Class No.</td> <td>-</td> </tr> <tr> <td>NA Certification</td> <td>UL Recognized</td> </tr> <tr> <td>Suitable for</td> <td>Feeder circuits, branch circuits</td> </tr> <tr> <td>Max. Voltage Rating</td> <td>Refer to main components FAZ, FAZ-NA, FAZ-RT</td> </tr> <tr> <td>Degree of Protection</td> <td>IEC: IP20, UL/CSA Type: -</td> </tr> </table>	Product Standards	IEC/EN 60898; UL 489; CE marking	UL File No.	E257181	UL CCN	NMTR2, DIHS2	CSA File No.	-	CSA Class No.	-	NA Certification	UL Recognized	Suitable for	Feeder circuits, branch circuits	Max. Voltage Rating	Refer to main components FAZ, FAZ-NA, FAZ-RT	Degree of Protection	IEC: IP20, UL/CSA Type: -
Product Standards	IEC/EN 60898; UL 489; CE marking																					
UL File No.	E257181																					
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Suitable for	Feeder circuits, branch circuits																					
Max. Voltage Rating	Refer to main components FAZ, FAZ-NA, FAZ-RT																					
Degree of Protection	IEC: IP20, UL/CSA Type: -																					
Busbar cover																						
<ul style="list-style-type: none"> • for 3 pins • UL 489 																						
	FAZ-NA FAZ-RT	ZV-BS-UL 104904	10 off 	<table> <tr> <td>Product Standards</td> <td>IEC/EN 60898; UL 489; CE marking</td> </tr> <tr> <td>UL File No.</td> <td>E257181</td> </tr> <tr> <td>UL CCN</td> <td>NMTR2, DIHS2</td> </tr> <tr> <td>CSA File No.</td> <td>-</td> </tr> <tr> <td>CSA Class No.</td> <td>-</td> </tr> <tr> <td>NA Certification</td> <td>UL Recognized</td> </tr> <tr> <td>Degree of Protection</td> <td>IEC: IP20, UL/CSA Type: -</td> </tr> </table>	Product Standards	IEC/EN 60898; UL 489; CE marking	UL File No.	E257181	UL CCN	NMTR2, DIHS2	CSA File No.	-	CSA Class No.	-	NA Certification	UL Recognized	Degree of Protection	IEC: IP20, UL/CSA Type: -				
Product Standards	IEC/EN 60898; UL 489; CE marking																					
UL File No.	E257181																					
UL CCN	NMTR2, DIHS2																					
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


	Pole	Rated operational current I_e A	Rated operational voltage U_e V AC	Fuse-link Size	Part no. Article no.	Price See price list	Std. pack	Notes
Fuse bases								
	1 pole	16	–	D01	D01-S0/16/1 102752		9 off	Equipment supplied: Empty, without screw on cover
	1 pole	63	–	D02	D02-S0/63/1 102675		9 off	
	3 pole	16	–	D01	D01-S0/16/3 102674		3 off	
	3 pole	63	–	D02	D02-S0/63/3 102676		3 off	
Fuse bases, 1 pole								
For gauge ring system (gauge screw: /FORMP)								
Screw fixing (holes for M4 screws)								
	1 pole	25	500	E27, DII	S27-1 045865		10 off	Gauge rings/gauge screws, fuse links and fuse caps are not included.
		25	500	E27, DII	S27-1/FORMP 020327		10 off	
		63	660 690	E33, DIII	S33-1 069595		2 off	
		63	660 690	E33, DIII	S33-1/FORMP 022700		2 off	
Can be snap fitted on top-hat rail to IEC/EN 60715 (35 mm)								
	1 pole	25	500	E27, DII	S27-1/C 048238		20 off	
		25	500	E27, DII	S27-1/C/FORMP 025073		20 off	
		63	660 690	E33, DIII	S33-1/C 071968		2 off	
		63	660 690	E33, DIII	S33-1/C/FORMP 027446		2 off	
Fuse bases, 3 pole								
For gauge ring system (gauge screw: /FORMP)								
Screw fixing (holes for M4 screws)								
	3 pole	25	500	E27, DII	S27 043492		4 off	Gauge rings/gauge screws, fuse links and fuse caps are not included.
		25	500	E27, DII	S27/FORMP 034565		4 off	
		63	660 690	E33, DIII	S33 067222		2 off	
		63	660 690	E33, DIII	S33/FORMP 036938		2 off	
Can be snap fitted on top-hat rail to IEC/EN 60715 (35 mm)								
	3 pole	25	500	E27, DII	S27/C 050611		4 off	
		25	500	E27, DII	S27/C/FORMP 032192		4 off	
		63	660 690	E33, DIII	S33/C 081460		2 off	
		63	660 690	E33, DIII	S33/C/FORMP 029819		2 off	

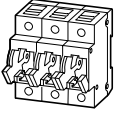
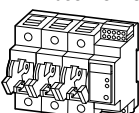
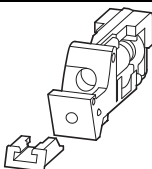
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	For use with	Part no. Article no.	Price See price list	Std. pack
Covers for 1 pole fuse bases				
Standard front dimension 45 mm				
	S...-1/...	P-E27 090928		10 off
	S...-1/...	P-E33 093301		10 off
Transparent shroud				
With cable entry knockouts top and bottom	-	H-S27-1 029118		10 off
Busbar connector 63 A				
For fuse bases, 3 pole	D0.../3	Z-SV-16/3P 271072		20 off
End cap				
For busbar block	Z-SV-16/3P	Z-AK-16/2+3P 271070		10 off
Notched phase busbars, can be cut to desired length				
For gauge ring system (gauge screw: /FORMP)				
980 mm long, for max. 22 fuse bases, Rated operational current 100 A	S27-1/C	KS27 055248		5 off
960 mm long, for max. 18 fuse bases, rated operational current 160 A	S33-1/C	KS33 059994		5 off
Terminal				
	For gauge ring system (gauge screw: /FORMP)	KS14 - KS33	K35-AB 064339	20 off
	For round conductor up to 35 mm ² or flat cable conductor 6 x 9 x 0.8			

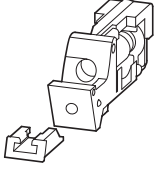
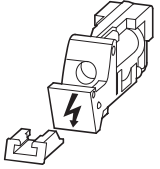
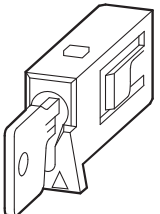
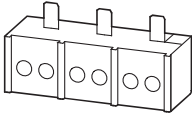
	Rated operational current I_e A	Fuse-link Size	Part no. Article no. Utilization category gG (gL)	Price See price list	Part no. Article no. Utilization category DZ	Price See price list	Std. pack
Fuse links Z-D.../SE							
Rated operating voltage 500 V AC/400 V DC							
	2	DII E27	Z-DII/SE-2A/GG 112125		Z-DII/SE-2A/DZ 112028		5 off
	4	DII E27	Z-DII/SE-4A/GG 112126		Z-DII/SE-4A/DZ 112029		
	6	DII E27	Z-DII/SE-6A/GG 112127		Z-DII/SE-6A/DZ 112120		
	10	DII E27	Z-DII/SE-10A/GG 112128		Z-DII/SE-10A/DZ 112121		
	16	DII E27	Z-DII/SE-16A/GG 112129		Z-DII/SE-16A/DZ 112122		
	20	DII E27	Z-DII/SE-20A/GG 112130		Z-DII/SE-20A/DZ 112123		
	25	DII E27	Z-DII/SE-25A/GG 112131		Z-DII/SE-25A/DZ 112124		
	35	DIII E33	Z-DIII/SE-35A/GG 112135		Z-DIII/SE-35A/DZ 112132		
	50	DIII E33	Z-DIII/SE-50A/GG 112136		Z-DIII/SE-50A/DZ 112133		
	63	DIII E33	Z-DIII/SE-63A/GG 112137		Z-DIII/SE-63A/DZ 112134		


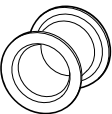
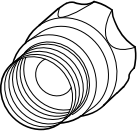



	Rated operational current I_e A	Rated operational voltage U_e V AC	Fuse link Size	Part no. Article no.	Price See price list	Std. pack		
Gauge screws Z-DII.../PS								
	2	–	DII E27	Z-DII/PS-2A 112138		25 off		
	4	–	DII E27	Z-DII/PS-4A 112139				
	6	–	DII E27	Z-DII/PS-6A 112140				
	10	–	DII E27	Z-DII/PS-10A 112141				
	16	–	DII E27	Z-DII/PS-16A 112142				
	20	–	DII E27	Z-DII/PS-20A 112143				
	25	–	DII E27	Z-DII/PS-25A 112144				
	35	–	DIII E33	Z-DIII/PS-35A 112145				
	50	–	DIII E33	Z-DIII/PS-50A 112146				
	63	–	DIII E33	Z-DIII/PS-63A 112147				
Z-DII.../PE push-in gauge rings								
	2	–	DII E27	Z-DII/PE-2A 110396		50 off		
	4	–	DII E27	Z-DII/PE-4A 110397				
	6	–	DII E27	Z-DII/PE-6A 110398				
	10	–	DII E27	Z-DII/PE-10A 110399				
	16	–	DII E27	Z-DII/PE-16A 110790				
	20	–	DII E27	Z-DII/PE-20A 110791				
	2	–	DIII E33	Z-DIII/PE-2A 110792				
	4	–	DIII E33	Z-DIII/PE-4A 110793				
	6	–	DIII E33	Z-DIII/PE-6A 110794				
	10	–	DIII E33	Z-DIII/PE-10A 110795				
	16	–	DIII E33	Z-DIII/PE-16A 110796				
	20	–	DIII E33	Z-DIII/PE-20A 110797				
	25	–	DIII E33	Z-DIII/PE-25A 110798				
	35	–	DIII E33	Z-DIII/PE-35A 110799				
	50	–	DIII E33	Z-DIII/PE-50A 110800				
	Z-DII.../SK screw caps							
		–	500	DII E27	Z-DII/SK 112148			50 off
		–	500	DIII E33	Z-DIII/SK 112149			30 off
		–	690	DIII E33	Z-DIII/SK-690 118904			3 off


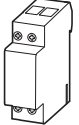
	Pole	Rated uninterrupted current I_u A	Fuse link Size	Part no. Article no.	Price See price list	Std. pack
Fuse switch-disconnectors						
 <p>Standard, empty</p>	1	63	D02, D01	Z-SLS/NE0Z/1 248235		12 off
	1 + N			Z-SLS/NE0Z/1+N 248237		6 off
	2			Z-SLS/NE0Z/2 248233		6 off
	3			Z-SLS/NE0Z/3 248234		4 off
	3 + N			Z-SLS/NE0Z/3+N 248236		3 off
 <p>With fuse monitoring, empty</p>	1 + HS			Z-SLK/NE0Z/1 248238		6 off
	1 + N + HS			Z-SLK/NE0Z/1+N 248242		4 off
	2 + HS			Z-SLK/NE0Z/2 248239		4 off
	3 + HS			Z-SLK/NE0Z/3 248240		3 off
	3 + N + HS			Z-SLK/NE0Z/3+N 248241		2 off
Fuse sets						
<ul style="list-style-type: none"> • For Z-SLS/NE0Z, Z-SLK/NE0Z, Z-SLS/CEK • With flashing function • Snap-fit on DIN rail • 1 set consists of: 3 fuse links, 3 current codings, 1 plastic box in the color of the indicator 						
	Rated operational voltage 24 V AC/DC	1	–	Z-SLS/B-24-1A 268994		12 off
		2	–	Z-SLS/B-24-2A 268995		
		4	–	Z-SLS/B-24-4A 268996		
		6	–	Z-SLS/B/24-6A 268997		
		10	–	Z-SLS/B/24-10A 268998		
		13	–	Z-SLS/B/24-13A 289975		
		16	–	Z-SLS/B/24-16A 268999		
		20	–	Z-SLS/B/24-20A 269000		
		25	–	Z-SLS/B/24-25A 269001		
		32	–	Z-SLS/B/24-32A 289976		
		35	–	Z-SLS/B/24-35A 269002		
		40	–	Z-SLS/B/24-40A 289977		
		50	–	Z-SLS/B/24-50A 269003		
		63	–	Z-SLS/B/24-63A 269004		




		Rated uninterrupted current I_u A	Part no. Article no.	Price See price list	Std. pack
Fuse sets					
	Rated operational voltage 60 - 400 V AC	1	Z-SLS/B-1A 268983		12 off
		2	Z-SLS/B-2A 268984		
		4	Z-SLS/B-4A 268985		
		6	Z-SLS/B-6A 268986		
		10	Z-SLS/B-10A 268987		
		13	Z-SLS/B-13A 289972		
		16	Z-SLS/B-16A 268988		
		20	Z-SLS/B-20A 268989		
		25	Z-SLS/B-25A 268990		
		32	Z-SLS/B-32A 289973		
		35	Z-SLS/B-35A 268991		
		40	Z-SLS/B-40A 289974		
		60	Z-SLS/B-50A 268992		
		63	Z-SLS/B-63A 268993		
Disconnecter kit					
<ul style="list-style-type: none"> For Z-SLS/NEOZ, Z-SLK/NEOZ, Z-SLS/CEK Snap-fit on DIN rail 1 set consists of: 3 switch conversion sets, 3 current codings, 1 plastic box The fuse switch-disconnector is thus converted to a switch-disconnector. 					
	-	63	Z-SLS/TR-SET 100660		12 off
Switch-on inhibits					
<ul style="list-style-type: none"> For Z-SLS/NEOZ, Z-SLK/NEOZ, Z-SLS/CEK, Z-SLK/D0 Only 1 inhibit required per device 					
	Stop with metal lock	-	Z-SLZ/SC 268980		12 off
	Stop with plastic lock	-	Z-SLZ/SP 268981		12 off
Incoming double terminal					
<ul style="list-style-type: none"> For Z-SLS/NEOZ, Z-SLK/NEOZ, Z-SLS/CEK, Z-SLK/D0 2 x 3 x 35 mm² 					
	-	-	Z-SLZ/KL 268982		15 off



	Rated uninterrupted current I_u A	Fuse link Size	Part no. Article no.	Price See price list	Std. pack					
Fuse links utilization category gG (gL)										
 <ul style="list-style-type: none"> • Snap-fit on DIN rail • In a plastic box in the color of the indicator 	2	D01	Z-D01/SE-2 288934		12 off					
	4		Z-D01/SE-4 288935							
	6		Z-D01/SE-6 288936							
	10		Z-D01/SE-10 288937							
	13		Z-D01/SE-13 288938							
	16		Z-D01/SE-16 288939							
	20		Z-D02/SE-20 288940							
	25		Z-D02/SE-25 288941							
	32		Z-D02/SE-32 288942							
	35		Z-D02/SE-35 288943							
	40		Z-D02/SE-40 288944							
	50		Z-D02/SE-50 288945							
	63		Z-D02/SE-63 288946							
	Adapter sleeves									
 <ul style="list-style-type: none"> • Snap-fit on DIN rail • In a plastic box in the color of the indicator 	2	D01	Z-D01/PE-2 288909		12 off					
	4		Z-D01/PE-4 288910							
	6		Z-D01/PE-6 288911							
	10, 13		Z-D01/PE-10 288912							
	20		Z-D02/PE-20 288913							
	25		Z-D02/PE-25 288914							
	35, 32		Z-D02/PE-35 288915							
	40		Z-D02/PE-40 288916							
	50		Z-D02/PE-50 288917							
	<ul style="list-style-type: none"> • D01 for fuse base D02 and fuse switch-disconnector D02 		2			D02-D01	Z-D02-D01/PE-2 263112			
		4	Z-D02-D01/PE-4 263113							
		6	Z-D02-D01/PE-6 263150							
		10, 13	Z-D02-D01/PE-10 263151							
		16	Z-D02-D01/PE-16 263152							
		Screw caps								
			Max. 16				D01	Z-D01/SK 100650	20 off	
	Max. 63		D02			Z-D02/SK 100651	20 off			
Retaining spring										
 <ul style="list-style-type: none"> • For inserting D01 fuses links in the screw cap Z-D02/SK 		D02-D01	Z-D02/SIKA-HF 263149	50 off						



		Pole	Part no. Article no.	Price See price list	Std. pack
Fuse switch-disconnectors (empty)					
<ul style="list-style-type: none"> Line protection of photovoltaic generator The trip indication signals that a fuse link has tripped: <ul style="list-style-type: none"> – 50 - 400 V flashing – 400 - 1000 V continuous light Rated operational voltage 1000 V DC Size 10 x 38, rated operational current 20 A DC For cylindrical fuse links for photovoltaic applications Sealable 					
	Without flashing function	1	C10-FD/20/1 119024		12 off
	Without flashing function	2	C10-FD/20/2 119025		6 off
	With flashing function	1	C10-FD/20/1-L 119026		12 off
	With flashing function	2	C10-FD/20/2-L 119027		6 off

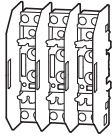
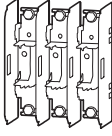
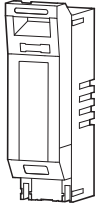
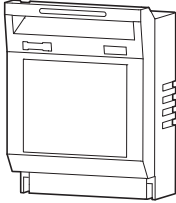
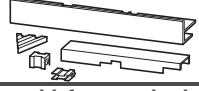

	Size	Rated operational current I_e A	Rated operating voltage U_e V DC	Part no. Article no.	Price See price list	Std. pack
Cylindrical fuse links Z-C.../SE for photovoltaic applications						
<ul style="list-style-type: none"> Maximum DC rated operating voltage of fuse link $1.2 \times V_{cc}$ of line (V_{cc} ... open circuit voltage of line) Rated operational current I_n of Fuse link must be greater than or equal to $1.5 \times I_{sc}$ (I_{sc} ... short circuit current of PV module) 						
	10 x 38	2	1000	Z-C10/SE-2A/PV 131700		10 off
	10 x 38	4	1000	Z-C10/SE-4A/PV 131701		
	10 x 38	6	1000	Z-C10/SE-6A/PV 122009		
	10 x 38	8	1000	Z-C10/SE-8A/PV 122070		
	10 x 38	10	1000	Z-C10/SE-10A/PV 122071		
	10 x 38	12	1000	Z-C10/SE-12A/PV 131702		
	10 x 38	16	1000	Z-C10/SE-16A/PV 122072		
	10 x 38	20	1000	Z-C10/SE-20A/PV 122073		
	10 x 38	25	900	Z-C10/SE-25A/PV 131703		




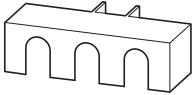


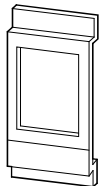
	Pole	Part no. Article no.	Price See price list	Std. pack
Fuse switch-disconnectors, empty				
• For cylindrical fuses				
	Size 14 x 51, to 50 A			
	Without flashing function			
	1	VLC14-1P 285361		12 off
	1 + N	VLC14-1P+N 285362		6 off
	2	VLC14-2P 285363		6 off
	3	VLC14-3P 285364		4 off
	3 + N	VLC14-3P+N 285365		3 off
	With flashing function			
	1	VLC14-1P/L 285371		12 off
	1 + N	VLC14-1P+N/L 285372		6 off
	2	VLC14-2P/L 285373		6 off
	3	VLC14-3P/L 285374		4 off
	3 + N	VLC14-3P+N/L 285375		3 off
		Size 22 x 58, to 100 A		
Without flashing function				
1		VLC22-1P 285366		3 off
1 + N		VLC22-1P+N 285367		2 off
2		VLC22-2P 285368		2 off
3		VLC22-3P 285369		1 off
3 + N		VLC22-3P+N 285370		1 off
With flashing function				
1		VLC22-1P/L 285376		3 off
1 + N		VLC22-1P+N/L 285377		2 off
2		VLC22-2P/L 285378		2 off
3		VLC22-3P/L 285379		1 off
3 + N		VLC22-3P+N/L 285380		1 off

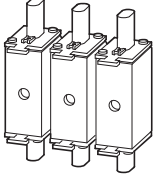


Size	Rated operational current I_e A	Rated operational voltage U_e V AC	Part no. Article no. Utilization category gG (gL)	Price See price list	Rated operational voltage U_e V AC	Part no. Article no. Utilization category aM	Price See price list	Std. pack
Cylindrical fuse inserts Z-C.../SE								
	10 x 38	1	500	Z-C10/SE-1A/GG 112156		500	Z-C10/SE-1A/AM 112188	10 off
		2	500	Z-C10/SE-2A/GG 112157		500	Z-C10/SE-2A/AM 112189	
		4	500	Z-C10/SE-4A/GG 112158		500	Z-C10/SE-4A/AM 112190	
		6	500	Z-C10/SE-6A/GG 112159		500	Z-C10/SE-6A/AM 112191	
		8	500	Z-C10/SE-8A/GG 112160		500	Z-C10/SE-8A/AM 112192	
		10	500	Z-C10/SE-10A/GG 112161		500	Z-C10/SE-10A/AM 112193	
		12	500	Z-C10/SE-12A/GG 112162		500	Z-C10/SE-12A/AM 112194	
		16	500	Z-C10/SE-16A/GG 112163		500	Z-C10/SE-16A/AM 112195	
		20	500	Z-C10/SE-20A/GG 112164		400	Z-C10/SE-20A/AM 112196	
		25	500	Z-C10/SE-25A/GG 112165		400	Z-C10/SE-25A/AM 112197	
		32	400	Z-C10/SE-32A/GG 112166		400	Z-C10/SE-32A/AM 112198	
			14 x 51	2	690	Z-C14/SE-2A/GG 112167		
4	690			Z-C14/SE-4A/GG 112168		690	Z-C14/SE-4A/AM 112200	
6	690			Z-C14/SE-6A/GG 112169		690	Z-C14/SE-6A/AM 112201	
8	690			Z-C14/SE-8A/GG 112170		690	Z-C14/SE-8A/AM 112202	
10	690			Z-C14/SE-10A/GG 112171		690	Z-C14/SE-10A/AM 112203	
12	690			Z-C14/SE-12A/GG 112172		690	Z-C14/SE-12A/AM 112204	
16	690			Z-C14/SE-16A/GG 112173		690	Z-C14/SE-16A/AM 112205	
20	690			Z-C14/SE-20A/GG 112174		690	Z-C14/SE-20A/AM 112206	
25	690			Z-C14/SE-25A/GG 112175		690	Z-C14/SE-25A/AM 112207	
32	690			Z-C14/SE-32A/GG 112176		500	Z-C14/SE-32A/AM 112208	
40	500			Z-C14/SE-40A/GG 112177		500	Z-C14/SE-40A/AM 112209	
50	500			Z-C14/SE-50A/GG 112178		500	Z-C14/SE-50A/AM 112210	
	22 x 58	16	690	Z-C22/SE-16A/GG 112179		690	Z-C22/SE-16A/AM 112211	
		20	690	Z-C22/SE-20A/GG 112180		690	Z-C22/SE-20A/AM 112212	
		25	690	Z-C22/SE-25A/GG 112181		690	Z-C22/SE-25A/AM 112213	
		32	690	Z-C22/SE-32A/GG 112182		690	Z-C22/SE-32A/AM 112214	
		40	690	Z-C22/SE-40A/GG 112183		690	Z-C22/SE-40A/AM 112215	
		50	500	Z-C22/SE-50A/GG 112184		690	Z-C22/SE-50A/AM 112216	
		63	500	Z-C22/SE-63A/GG 112185		500	Z-C22/SE-63A/AM 112217	
		80	500	Z-C22/SE-80A/GG 112186		500	Z-C22/SE-80A/AM 112218	
		100	500	Z-C22/SE-100A/GG 112187		500	Z-C22/SE-100A/AM 112219	

	Rated operating current I_e A	Max. fuse link			Part no. Article no.	Price See price list	Std. pack	Notes
		500 V A	690 V A	Size				
LV h.b.c. fuse bases								
3 pole								
	160	160	100	NH00	GS00-160 026741		1 off	–
	250	250	200	NH1	GSU1 289016		1 off	–
	400	400	315	NH2	GSU2 289017		1 off	–
	630	630	500	NH3	GSU3 289018		1 off	–
LV h.b.c. fuse switch-disconnectors								
For fitting on mounting plate								
	1 pole without hand guard	160	160	100	NH00	GSTA00-160-1P 225000	1 off	For fitting to GSTA00-160 for four pole LV h.b.c. fuse switch-disconnector, two devices can be combined to two pole LV h.b.c. fuse switch-disconnector
	3 pole without hand guard	160	160	100	NH00	GSTA00-160 095558	1 off	–
		250	250	200	NH1	GSTA1 017250	1 off	–
		400	400	315	NH2	GSTA2 021996	1 off	–
		630	630	500	NH3	GSTA3 026742	1 off	–
Set of connecting links								
	–		00		GSTA00-160-1P	V-GSTA00-1P 228173		1 off
Cover with fuse monitoring								
<ul style="list-style-type: none"> • One green operation indicator LED, three red error indication LEDs (F1, F2, F3) • Error message through relay contacts (floating) 1 N/O + 1 NC <p>AC15: 24 V/4 A, 230 V/3 A AC13: 24 V/1 A, 220 V/0.5 A, terminal capacity 0.25 – 1.5 mm²</p>								
	400 - 690 V AC / 50 - 60 Hz		00		GSTA00...	GST00-DSI 107956		1 off
	400 - 690 V AC / 50 - 60 Hz		1		GSTA1...	GST1-DSI 107957		1 off
	400 - 690 V AC / 50 - 60 Hz		2		GSTA2...	GST2-DSI 107958		1 off
	400 - 690 V AC / 50 - 60 Hz		3		GSTA3...	GST3-DSI 107959		1 off



	Fuse link Size	For use with	Connection	Part no. Article no.	Price See price list	Std. pack
Busbar tag shroud 1 pole						
	00	GSTA00-160-1P	Connection top or bottom	ZBS-GSTA00-1P 119006		2 off
	1	GSTA1-1P	Connection top or bottom	ZBS-GSTA1-1P 119007		2 off
	3	GSTA3-1P	Connection top or bottom	ZBS-GSTA3-1P 119008		2 off
Busbar tag shroud 3 pole						
	00	GSTA00-160	Connection top or bottom	ZBS-GSTA00 014411		10 off
	1	GSTA1	Connection at the top	ZBS-GSTA1 082800		10 off
	1	GSTA1	Connection at the bottom	ZBSU-GSTA1 082804		10 off
	2	GSTA2	Connection at the top	ZBS-GSTA2 082801		5 off
	2	GSTA2	Connection at the bottom	ZBSU-GSTA2 082805		10 off
	3	GSTA3	Connection at the top	ZBS-GSTA3 082802		1 off
	3	GSTA3	Connection at the bottom	ZBSU-GSTA3 082806		10 off
Clip set						
able to be fitted later, adjustable snap fitting to two top hat rails to IEC/EN 60715 (35 mm) For intervals between busbar centres of 100 - 125 mm			For use with	Part no. Article no.	Price See price list	Std. pack
			GSTA00-160	C-GSTA00 040922		5 off
One set comprises 3 clamp-type terminals.						
	Terminal range 1 x (70 - 150) mm ² Cu/Al		GSU1, GST...1	PSK1 038734		1 off
	Terminal range 1 x (120 - 240) mm ² Cu/Al		GSU2, GST...2	PSK2 043480		1 off
	Terminal range 1 x (120 - 300) mm ² Cu/Al		GSU3, GST...3	PSK3 048226		1 off
Sets of double clamp-type terminals						
One set comprises 3 double clamp-type terminals						
	Terminal range 2 x (70 - 95) mm ² Cu/Al		GSU1, GST...1	PSK12 041107		1 off
	Terminal range 2 x (120 - 150) mm ² Cu/Al		GSU2, GST...2	PSK22 045853		1 off
	Terminal range 2 x (120-240) mm ² Cu/Al		GSU3, GST...3	PSK32 050599		1 off
Insulating surround for fuse switch-disconnectors						
For compensation between the GA... protective cover and the device (for use in the CI insulated distribution board system)			For use with	Part no. Article no.	Price See price list	Std. pack
			GST00	B-GST00-40-60/CI/1 224553		5 off
						

	Size	Rated operational current I_e A	Part no. Article no.	Price See price list	Std. pack
LV h.b.c. fuse links					
<ul style="list-style-type: none"> • Insulation body made from Steatite/Corderite • Copper contact blade with silver coating, corrosion proof • Pivoting and central indicator, live grip tabs • Selectivity from 1:1.6 					
	00	10	Z-NH-00/10 289998		3 off
	00	16	Z-NH-00/16 289999		3 off
	00	20	Z-NH-00/20 290000		3 off
	00	25	Z-NH-00/25 290001		3 off
	00	35	Z-NH-00/35 290002		3 off
	00	40	Z-NH-00/40 290003		3 off
	00	50	Z-NH-00/50 290004		3 off
	00	63	Z-NH-00/63 290005		3 off
	00	80	Z-NH-00/80 290006		3 off
	00	100	Z-NH-00/100 290007		3 off
	00	125	Z-NH-00/125 290008		3 off
	00	160	Z-NH-00/160 290009		3 off
	1	50	Z-NH-1/50 290010		3 off
	1	63	Z-NH-1/63 290011		3 off
	1	80	Z-NH-1/80 290012		3 off
	1	100	Z-NH-1/100 290013		3 off
	1	125	Z-NH-1/125 290014		3 off
	1	160	Z-NH-1/160 290015		3 off
	1	200	Z-NH-1/200 290016		3 off
	1	250	Z-NH-1/250 290017		3 off
	2	100	Z-NH-2/100 290018		3 off
	2	125	Z-NH-2/125 290019		3 off
	2	160	Z-NH-2/160 290020		3 off
	2	200	Z-NH-2/200 290021		3 off
	2	250	Z-NH-2/250 290022		3 off
	2	315	Z-NH-2/315 290023		3 off
	2	400	Z-NH-2/400 290024		3 off
	3	250	Z-NH-3/250 290025		3 off
	3	315	Z-NH-3/315 290026		3 off
	3	400	Z-NH-3/400 290027		3 off
	3	500	Z-NH-3/500 290028		3 off
	3	630	Z-NH-3/630 290029		3 off



Engineering

Influence of the ambient temperature on the thermal trip behavior

Corrected values of the rated operational current dependent on the ambient temperature

FAZ..., FAZT...

I _n [A]	Ambient temperature T [°C]																
	-40	-30	-20	-10	0	10	20	30	35	40	45	50	55	60	65	70	75
0.16	0.20	0.20	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.13
0.25	0.32	0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21
0.5	0.64	0.62	0.60	0.58	0.56	0.54	0.52	0.50	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41
0.75	0.96	0.93	0.90	0.87	0.84	0.81	0.78	0.75	0.74	0.73	0.71	0.69	0.68	0.66	0.65	0.64	0.62
1	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.99	0.97	0.95	0.93	0.90	0.89	0.87	0.85	0.83
1.5	1.9	1.9	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2
1.6	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3
2	2.6	2.5	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.7
2.5	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.1
3	3.8	3.7	3.6	3.5	3.4	3.3	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.6	2.5	2.5
3.5	4.5	4.4	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.4	3.3	3.2	3.2	3.1	3.0	3.0	2.9
4	5.1	5.0	4.8	4.7	4.5	4.3	4.2	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.5	3.4	3.3
5	6.4	6.0	6.0	5.8	5.6	5.4	5.2	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1
6	7.7	7.5	7.2	7.0	6.7	6.5	6.3	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1	5.0
8	10.2	9.9	9.6	9.3	9.0	8.7	8.4	8.0	7.9	7.7	7.6	7.4	7.2	7.1	6.9	6.8	6.6
10	13	12	12	12	11	11	10	10	9.9	9.7	9.5	9.3	9.0	8.9	8.7	8.5	8.3
12	15	15	14	14	13	13	13	12	12	12	11	11	11	11	10	10	10
13	17	16	16	15	15	14	14	13	13	13	12	12	12	12	11	11	11
15	19	19	18	17	17	16	16	15	15	15	14	14	14	13	13	13	12
16	20	20	19	19	18	17	17	16	16	15	15	15	14	14	14	14	13
20	26	25	24	23	22	22	21	20	20	19	19	19	18	18	17	17	17
25	32	31	30	29	28	27	26	25	25	24	24	23	23	22	22	21	21
32	41	40	38	37	36	35	33	32	32	31	30	30	29	28	28	27	26
40	51	50	48	47	45	43	42	40	39	39	38	37	36	35	35	34	33
50	64	62	60	58	56	54	52	50	49	48	47	46	45	44	43	42	41
63	81	78	76	73	71	68	66	63	62	61	60	58	57	56	55	53	52

FAZ-...-NA, FAZ-...-RT

I _n [A]	Ambient temperature T [°C]							
	15	20	25	30	40	50	55	60
0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
1.0	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9
1.5	1.7	1.6	1.6	1.6	1.5	1.4	1.4	1.4
2.0	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8
3.0	3.3	3.2	3.2	3.1	3.0	2.9	2.9	2.8
4.0	4.4	4.3	4.2	4.2	4.0	3.8	3.8	3.7
5.0	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.6
6.0	6.6	6.5	6.4	6.2	6.0	5.8	5.6	5.5
7.0	7.7	7.6	7.4	7.3	7.0	6.7	6.6	6.4
8.0	8.8	8.6	8.5	8.3	8.0	7.7	7.5	7.4
10.0	11.0	10.8	10.6	10.4	10.0	9.6	9.4	9.2
13.0	14.3	14.0	13.8	13.5	13.0	12.5	12.5	12.0
15.0	16.5	16.2	15.9	15.6	15.0	14.4	14.1	13.8
16.0	17.6	17.3	17.0	16.6	16.0	15.4	15.0	14.7
20.0	22.0	21.6	21.2	20.8	20.0	19.2	18.8	18.4
25.0	27.5	27.0	26.5	26.0	25.0	24.0	23.3	23.0
30.0	33.0	32.4	31.8	31.2	30.0	28.8	28.2	27.6
32.0	35.2	34.6	33.9	33.3	32.0	30.7	30.1	29.4
40.0	44.0	43.2	42.4	41.6	40.0	38.4	37.6	36.8

Heat dissipation FAZT

Depending on rated operational current I_n

I _n [A]	Characteristic C			Characteristic D		
	Pole			Pole		
	1	2	3	1	2	3
	P [W]	P [W]	P [W]	P [W]	P [W]	P [W]
0.5	1.6	3.2	4.7	1.6	3.2	4.8
1	1.1	2.2	3.4	0.8	1.5	2.3
1.5	1.3	2.6	3.9	1.0	2.1	3.1
2	1.4	2.8	4.3	1.0	2.1	3.1
3	1.2	2.4	3.6	1.2	2.4	3.6
4	1.4	2.9	4.3	1.4	2.9	4.3
5	1.9	3.7	5.6	1.5	2.9	4.4
6	1.2	2.3	3.5	1.2	2.3	3.5
7	1.4	2.8	4.3	1.4	2.8	4.3
8	1.4	2.8	4.2	1.2	2.4	3.7
10	1.9	3.6	5.3	1.5	3.0	4.5
13	2.4	4.7	7.1	2.0	4.1	6.1
15	1.9	3.8	5.6	1.5	3.1	4.6
16	2.1	4.3	6.4	1.7	3.5	5.2
20	2.9	5.8	8.7	1.8	3.7	5.5
25	3.1	6.2	9.3	2.6	5.1	7.7
30	3.0	6.0	9.0	2.7	5.4	8.1
32	3.4	6.8	10.2	3.1	6.2	9.3
35	3.7	7.4	11.0	3.8	7.6	11.3
40	4.0	8.1	12.1	3.9	7.8	11.6

Heat dissipation FAZ-...-NA, FAZ-...-RT

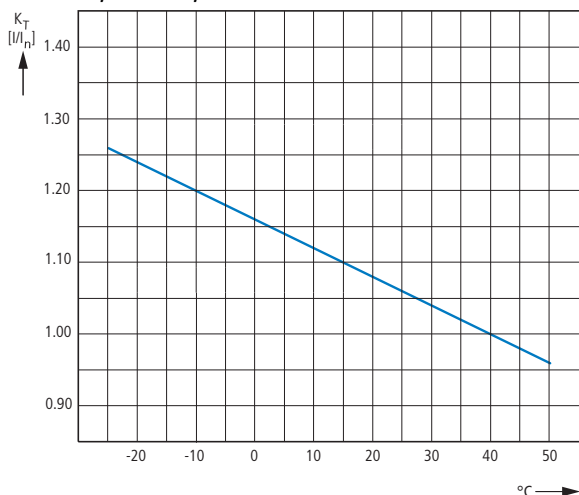
Depending on rated operational current I_n

I _n [A]	Characteristic C			Characteristic D		
	Pole			Pole		
	1	2	3	1	2	3
	P [W]	P [W]	P [W]	P [W]	P [W]	P [W]
0.5	1.6	3.2	4.7	1.6	3.2	4.8
1	1.1	2.2	3.4	0.8	1.5	2.3
1.5	1.3	2.6	3.9	1.0	2.1	3.1
2	1.4	2.8	4.3	1.0	2.1	3.1
3	1.2	2.4	3.6	1.2	2.4	3.6
4	1.4	2.9	4.3	1.4	2.9	4.3
5	1.9	3.7	5.6	1.5	2.9	4.4
6	1.2	2.3	3.5	1.2	2.3	3.5
7	1.4	2.8	4.3	1.4	2.8	4.3
8	1.4	2.8	4.2	1.2	2.4	3.7
10	1.8	3.6	5.3	1.5	3.0	4.5
13	2.4	4.7	7.1	2.0	4.1	6.1
15	1.9	3.8	5.6	1.5	3.1	4.6
16	2.1	4.3	6.4	1.7	3.5	5.2
20	2.9	5.8	8.7	1.8	3.7	5.5
25	3.1	6.2	9.3	2.6	5.1	7.7
30	3.0	6.0	9.0	2.7	5.4	8.1
32	3.4	6.8	10.2	3.1	6.2	9.3
35	3.7	7.4	11.0	3.8	7.6	11.3
40	4.0	8.1	12.1	3.9	7.8	11.6



Influence of the ambient temperature on the tripping behavior

FAZ-...-NA, FAZ-...-RT,



K_T = rated diversity factor

PDIM leakage current meters

Contour and rail mounting compatible with other devices of the P series
 Freely selectable rail arrangement top and bottom
 Free terminal compartment despite fitted busbar
 Power supply through ordering of the four conductors
 Electronic operation (independent of mains voltage)

Mains connection on either side.
 The 4 pole switch can also be used as 3 pole switch.
 To do this, use terminals 1-2, 3-4 and 5-6.
 The 4 pole switch can also be used as 2 pole switch.
 To do this, use terminals 5-6 and N-N.
 2 relays (N/O, parallel to yellow and red LED), floating (up to 10 A/230 V~)

Function

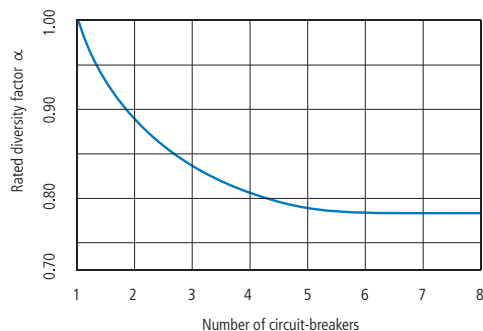
Green LED lit on 0 – 30 % of set $I_{\Delta n}$.
 Yellow LED lit on 30 – 50 % of set $I_{\Delta n}$.
 Red LED lit on > 50 % of set $I_{\Delta n}$.
 The yellow LED goes out when tripped if the measured fault current < 30 % of the set $I_{\Delta n}$.
 The red LED goes remains lit when tripped, even if when the measured fault current < 50 % of the set $I_{\Delta n}$.
 The red LED goes out only when the Reset button is pressed.
 Only one LED lights up at any one time.
 An output relay is always connected parallel to the yellow or red LED.
 Depending on the set RCCB (non-delayed, G, or S) the fault current must flow for a specific time before an action takes place.

Test function

Rotary coding switch for RCCB function set to "TEST".
 A fault current of 30 % and 50 % $I_{\Delta n}$ is simulated in alternation.
 The yellow and red LED flash alternately (1 Hz); both output relays are continually picked up.

Load carrying capacity with side-by-side miniature circuit-breakers

FAZ...



Influence of the mains frequency

Influence of the mains frequency on the tripping behavior I_{MA} of the instantaneous release

	Mains frequency f [Hz]						
	16 2/3	50	60	100	200	300	400
$I_{MA}(f)/I_{MA}(50 \text{ Hz})$ [%]	91	100	101	106	115	134	141

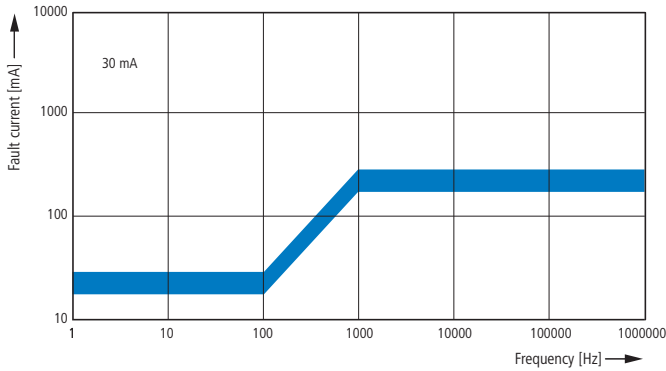


Residual-current devices

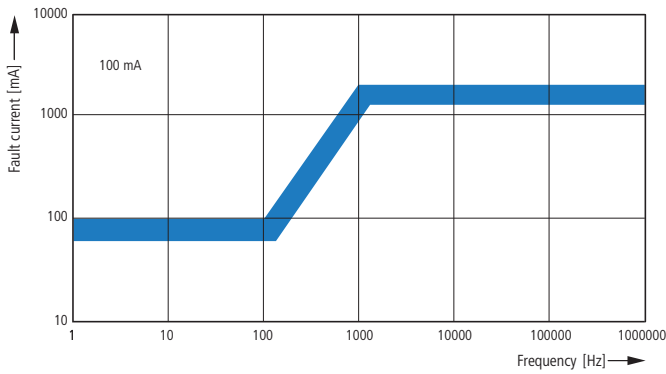
FI...-B

Frequency response of the tripping current

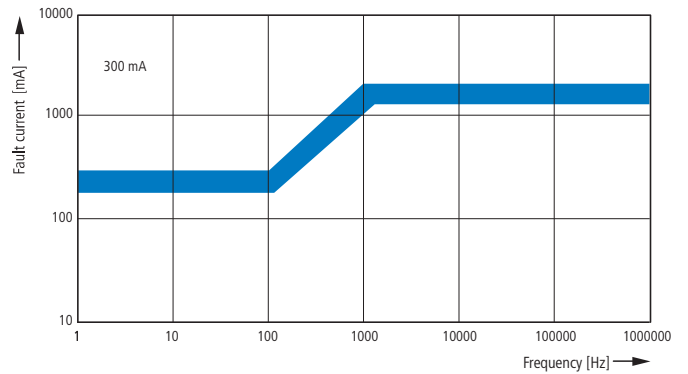
30 mA



100 mA



300 mA



Miniature circuit-breakers (MCB)

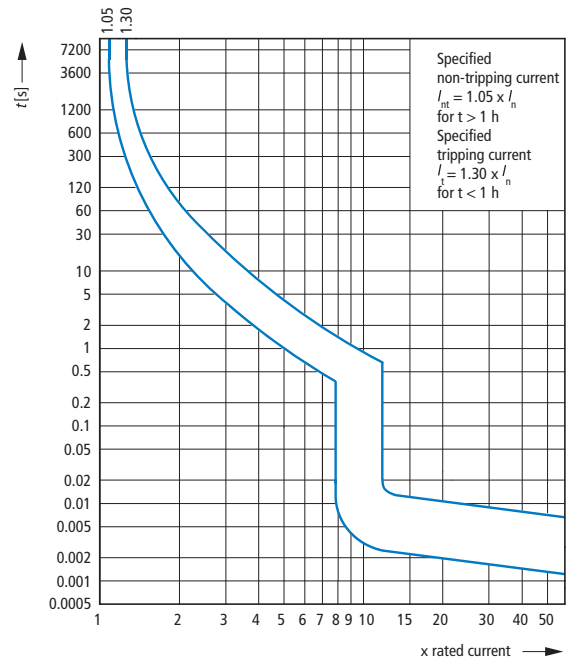
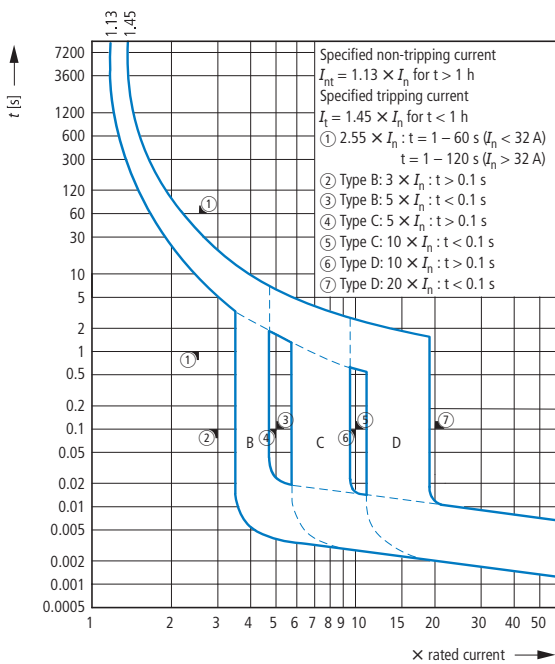
FAZ...

Tripping characteristics at 30 °C:

B, C, D to IEC/EN 60898

Tripping characteristics at 30 °C:

K according to IEC/EN 60947

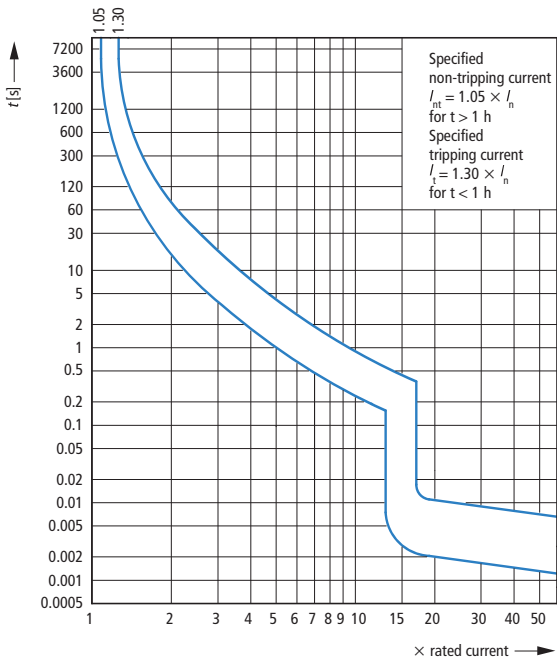


Miniature circuit-breakers (MCB)

FAZ...

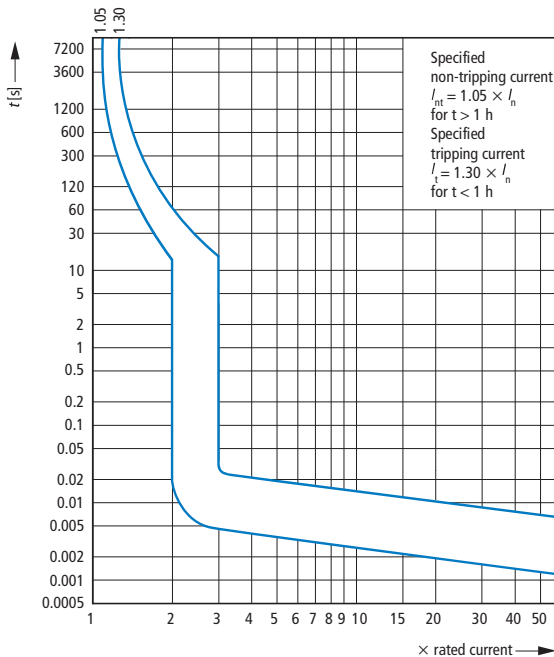
Tripping characteristics at 30 °C:

S according to IEC/EN 60947



Tripping characteristics at 30 °C:

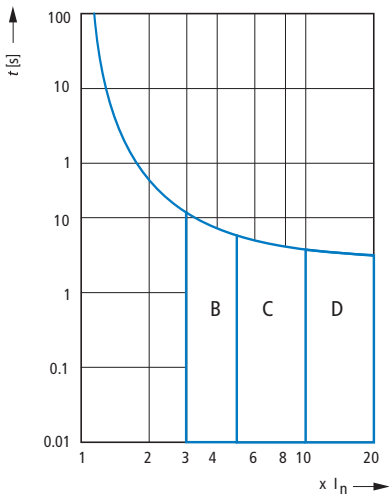
Z according to IEC/EN 60947



FAZT

Tripping characteristics FAZ at 30 °C

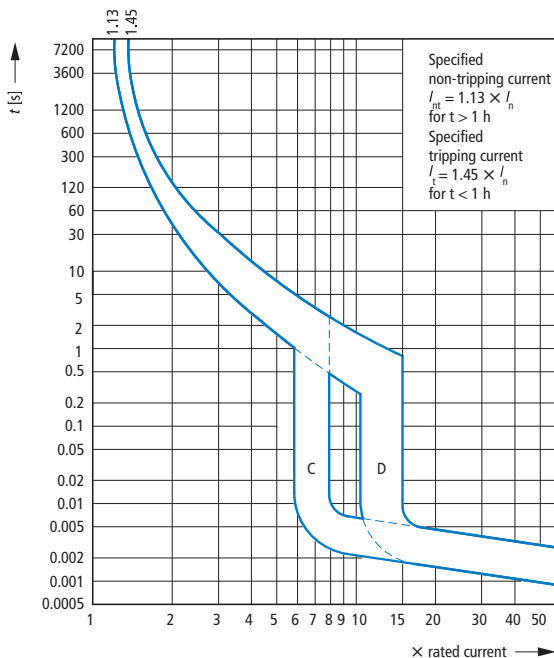
B, C, D to IEC/EN 60898



AZ...

Tripping characteristics at 30 °C:

C, D according to IEC/EN 60898

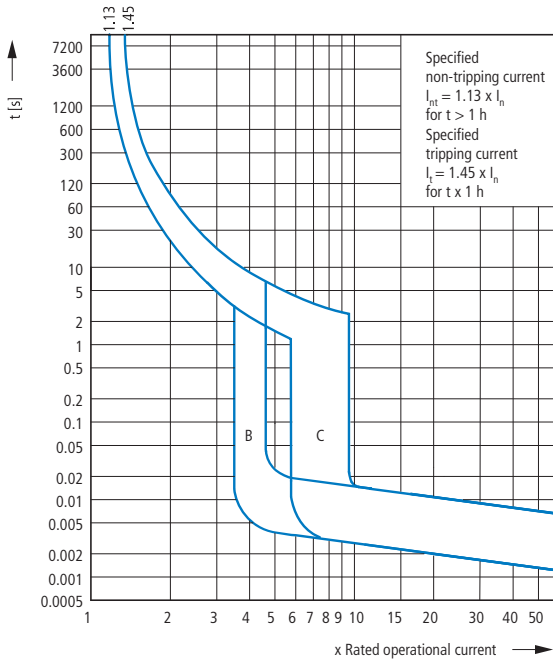


Combination switches

PKNM...

Tripping characteristics at 30 °C:

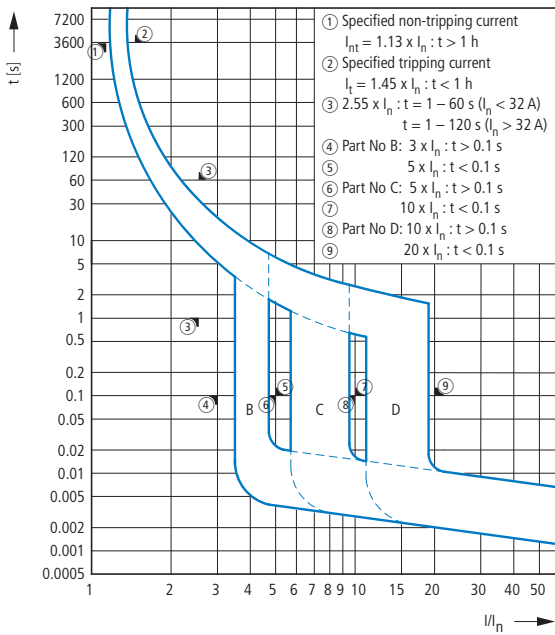
B, C according to IEC/EN 61009



mRB6..., mRB4...

Tripping characteristics

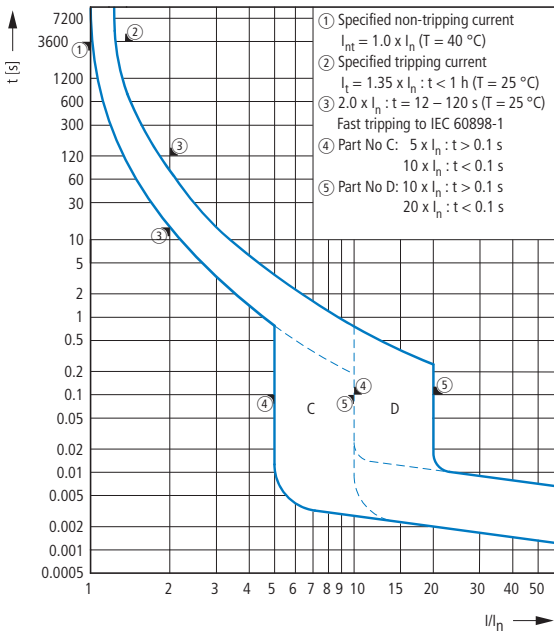
B, C, D according to IEC/EN 61009



Miniature circuit-breakers (MCB)

FAZ-...-NA, FAZ-...-RT

Tripping characteristics according to UL 489



Miniature circuit-breakers (MCB)

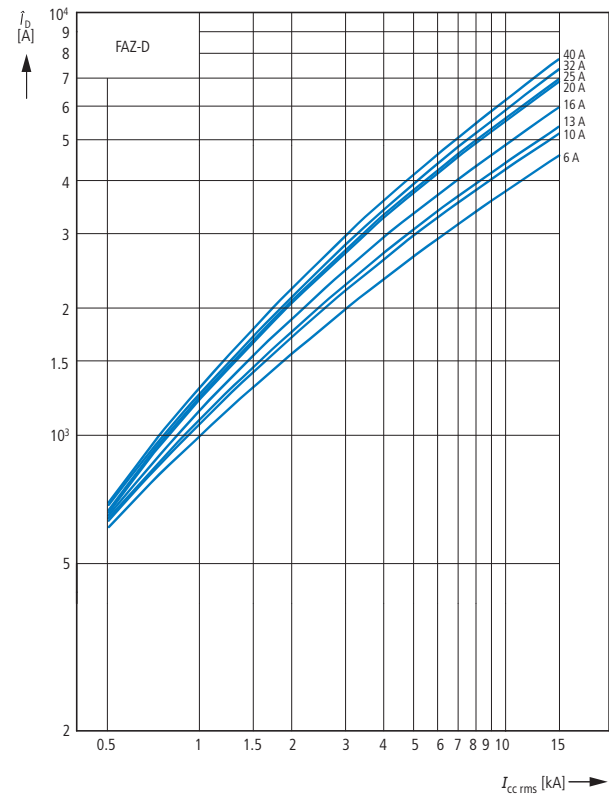
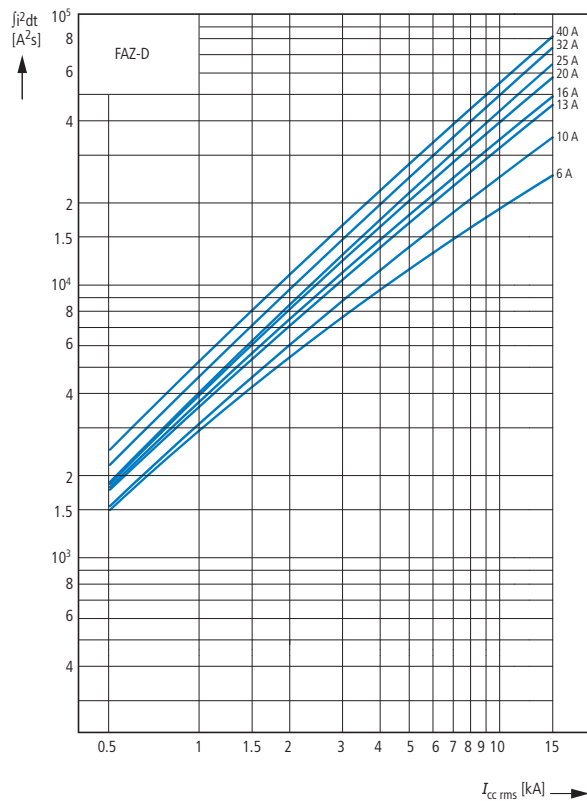
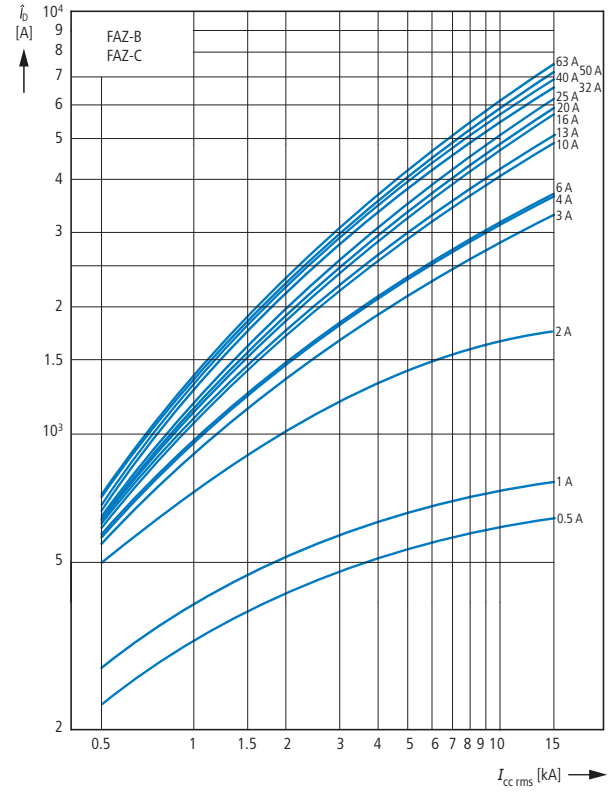
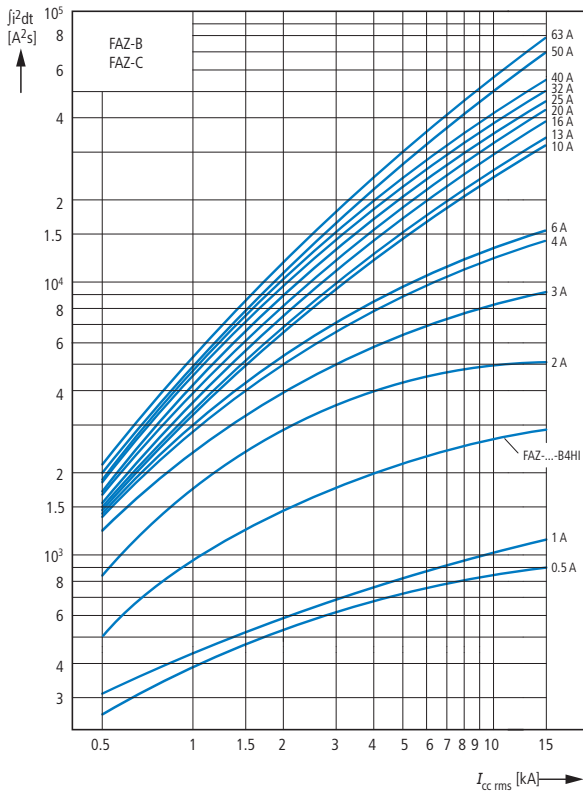
FAZ...

Let-through energy I^2t

According to IEC/EN 60898

Let-through current I_D

According to IEC/EN 60898



Miniature circuit-breakers (MCB)

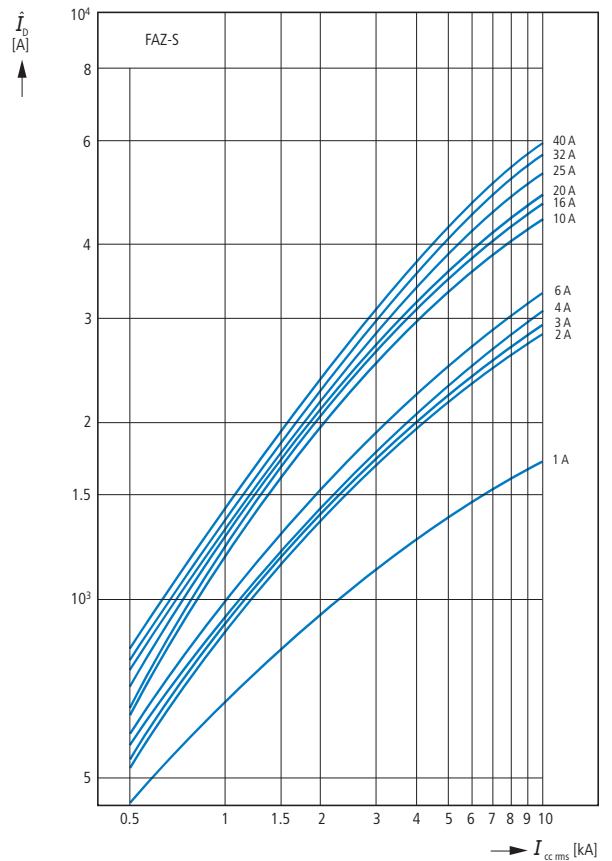
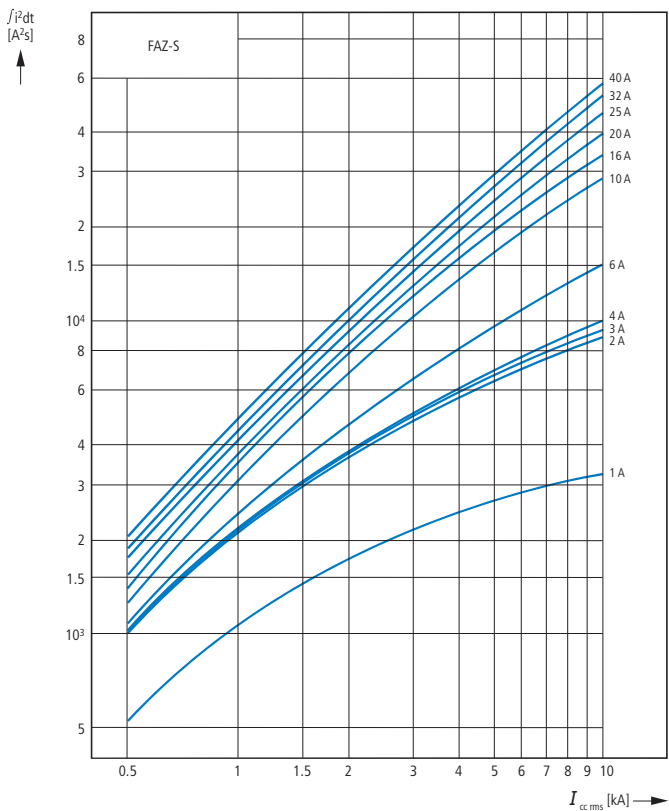
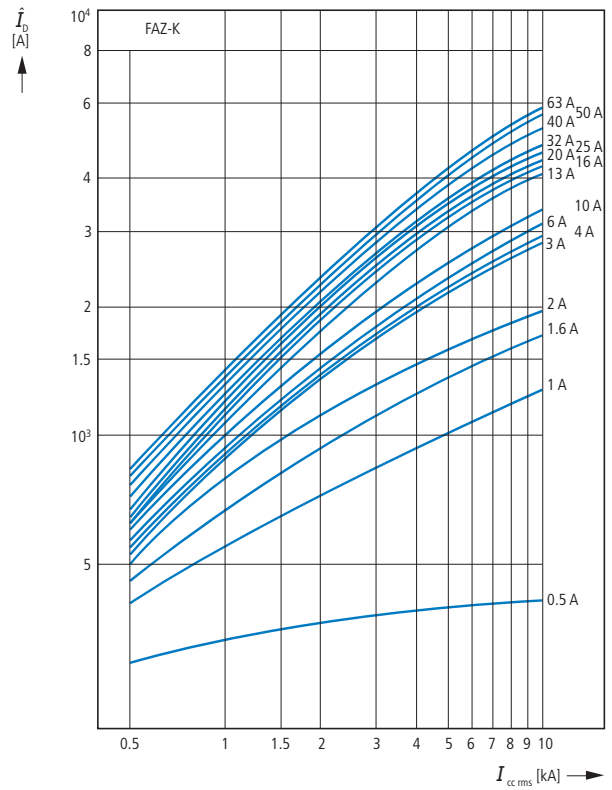
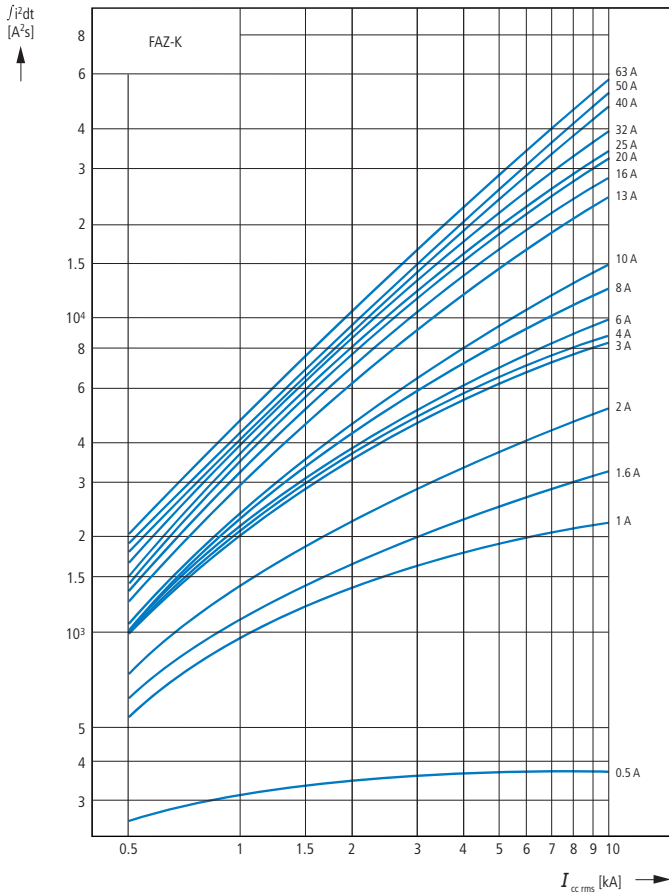
FAZ...

Let-through energy I^2t

According to IEC/EN 60898

Let-through current I_D

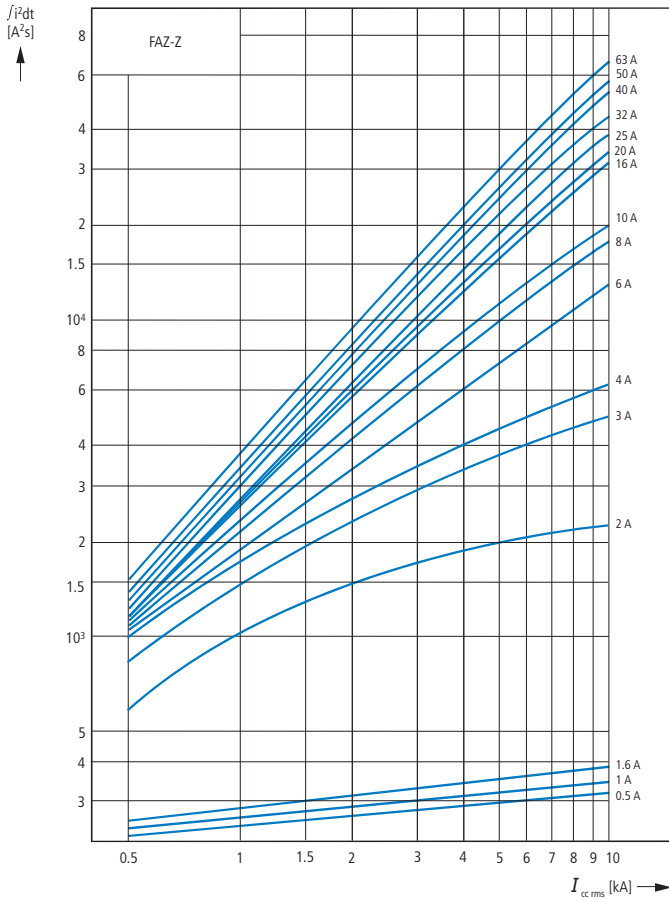
According to IEC/EN 60898



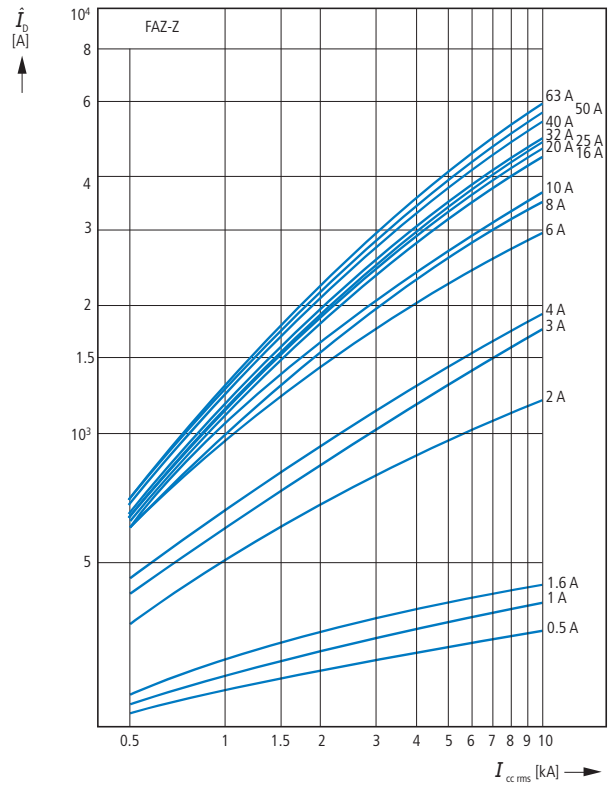
Miniature circuit-breakers (MCB)

FAZ...

Let-through energy I^2t
According to IEC/EN 60898

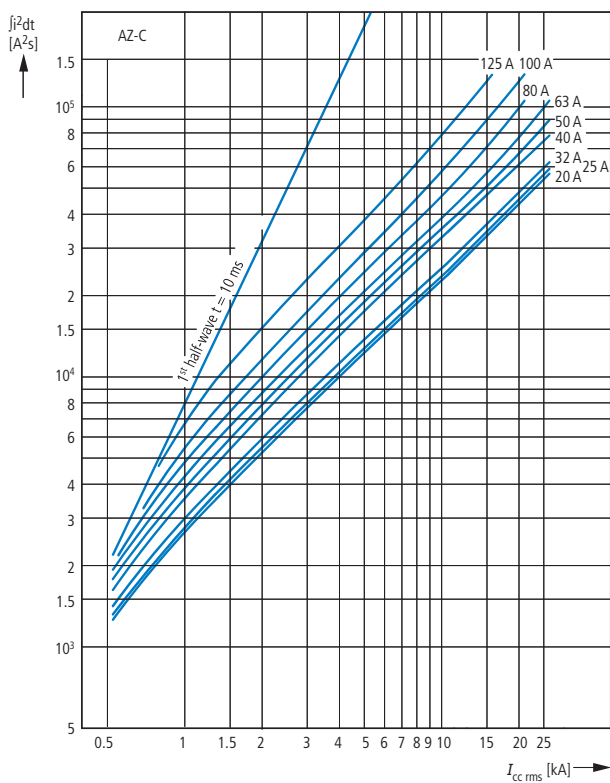


Let-through current I_D
According to IEC/EN 60898

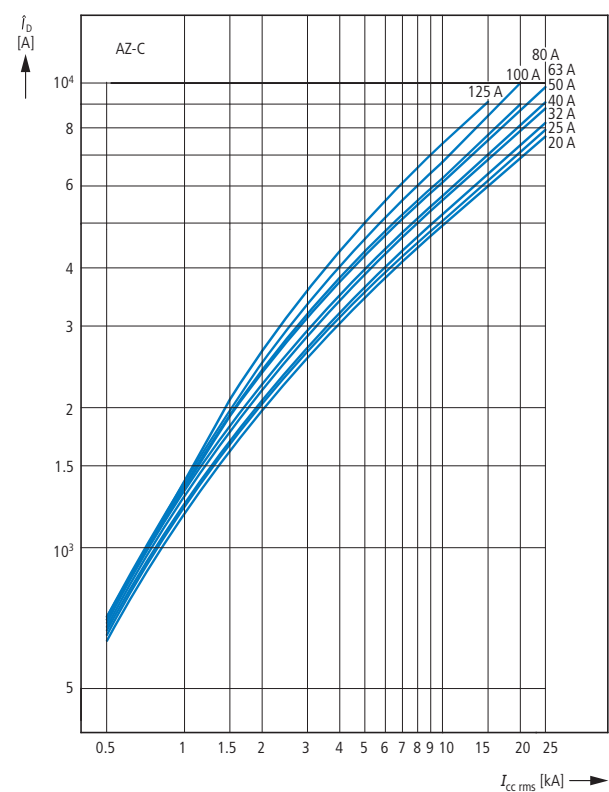


AZ...

Let-through energy I^2t



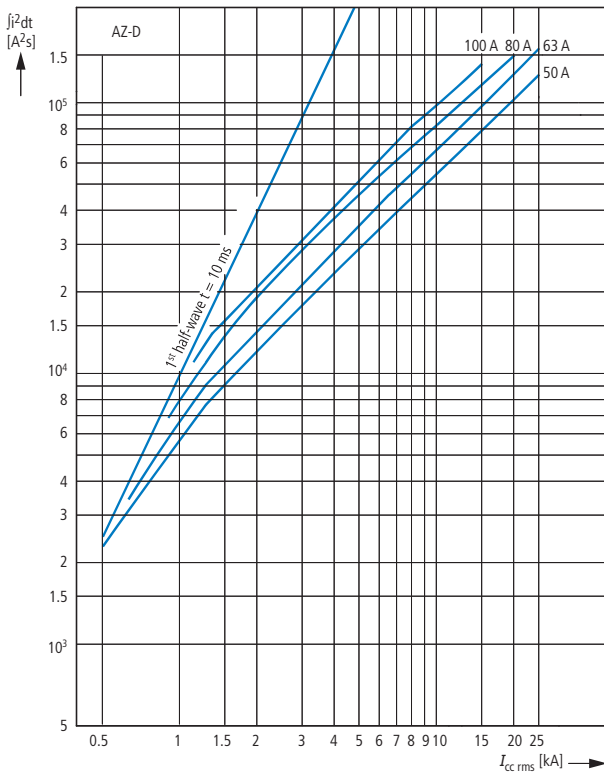
Let-through current I_D



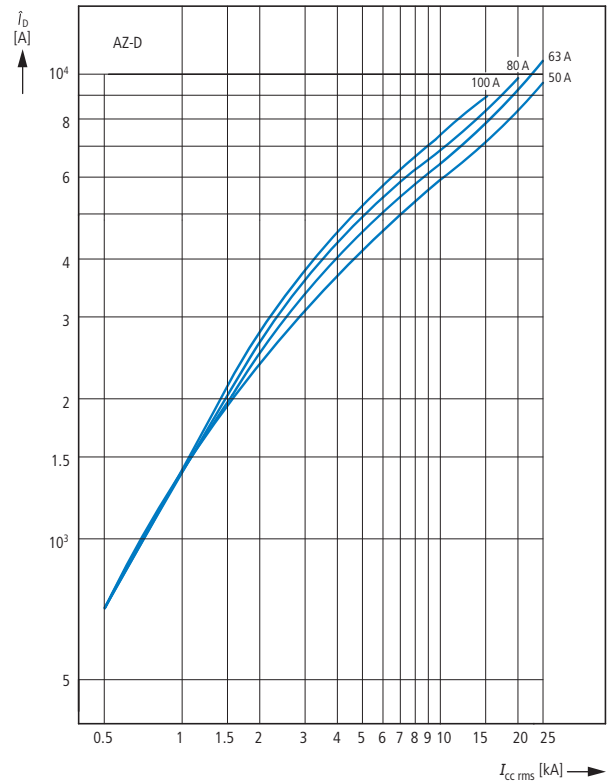
Miniature circuit-breakers

AZ...

Let-through energy I^2t



Let-through current I_D

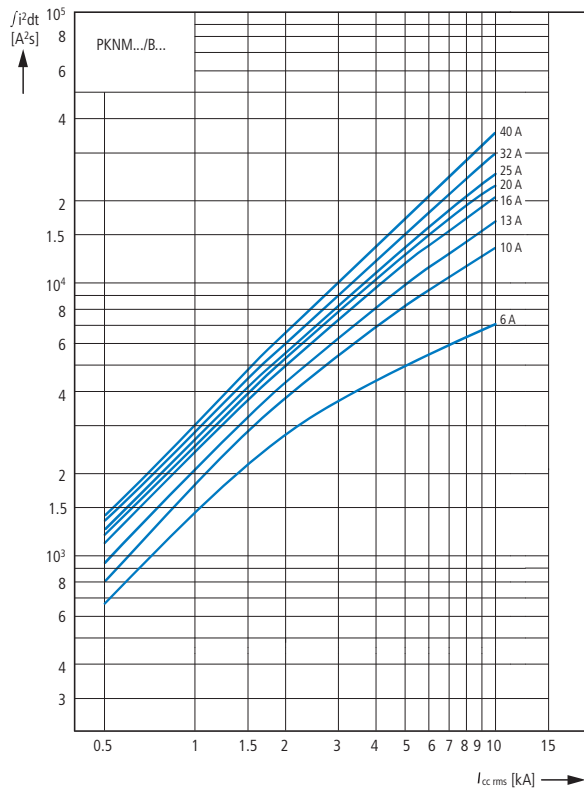


Combination switches

PKNM-...

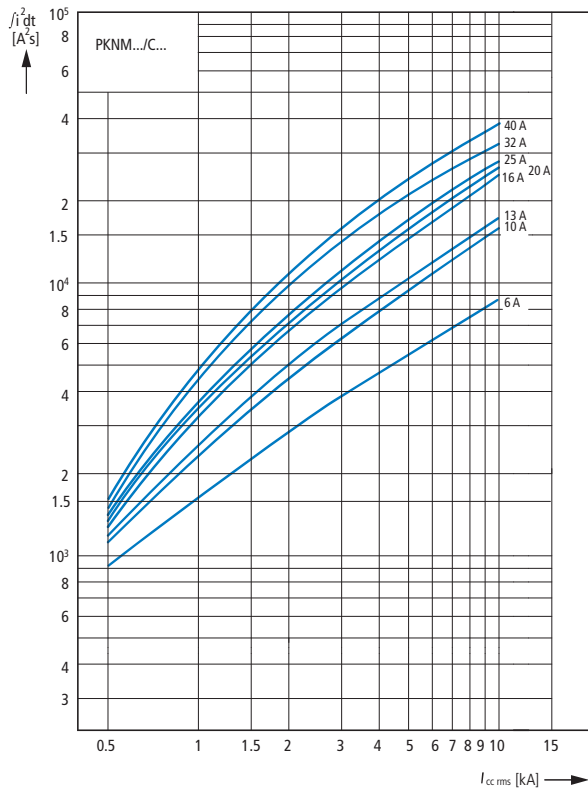
Let-through energy I^2t

According to IEC/EN 60898



Let-through current I_D

According to IEC/EN 60898

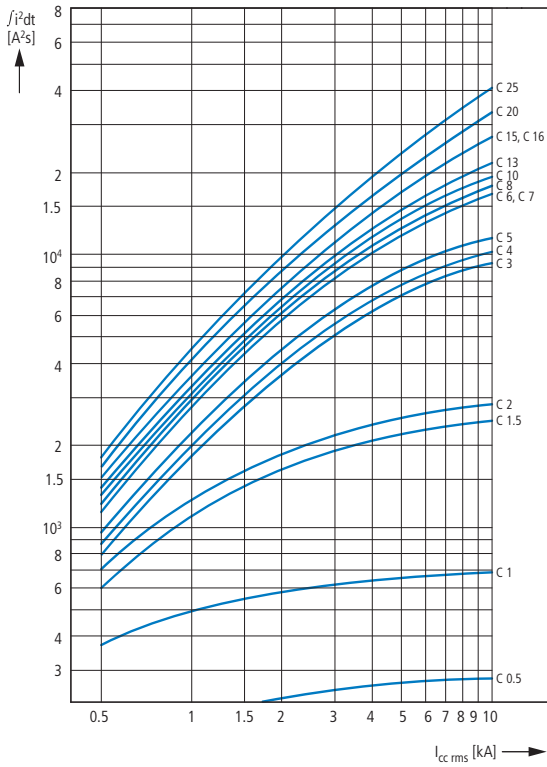


Miniature circuit-breakers (MCB)

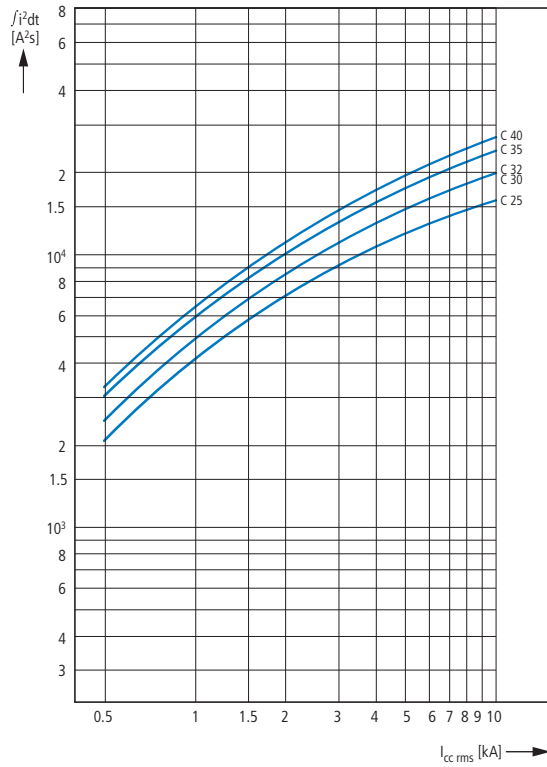
FAZ-...NA, FAZ-...RT

Let-through energy I^2t

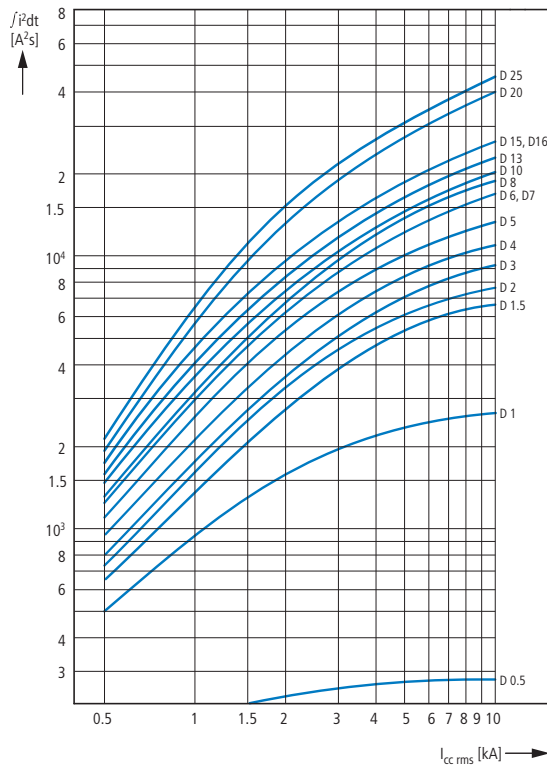
Characteristic C (0.5 - 20 A), 277 V



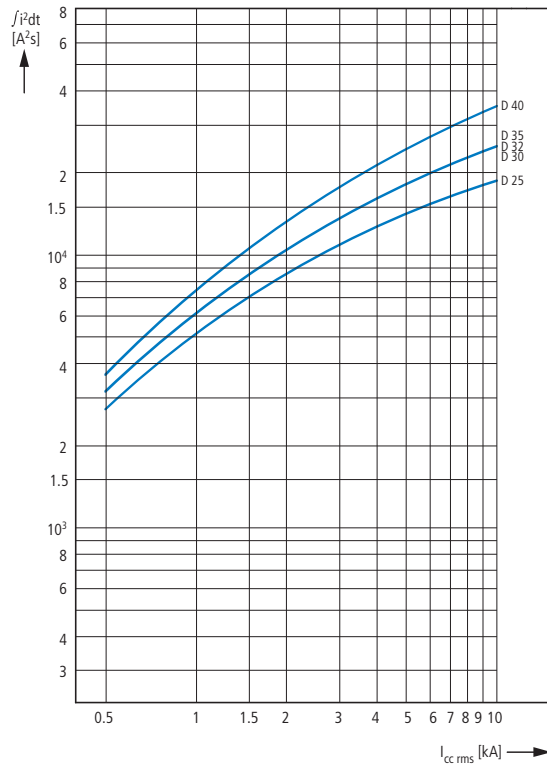
Characteristic C (25 - 40 A), 240 V



Characteristic D (0.5 - 20 A), 277 V



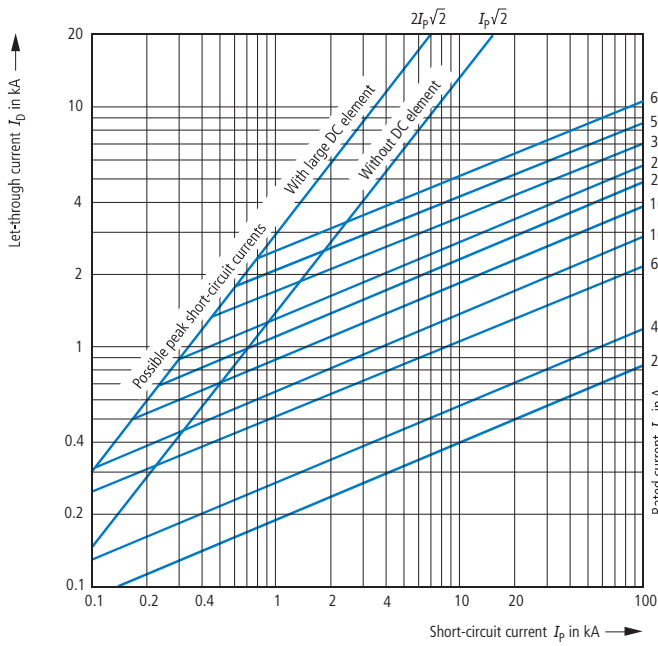
Characteristic D (25 - 40 A), 240 V



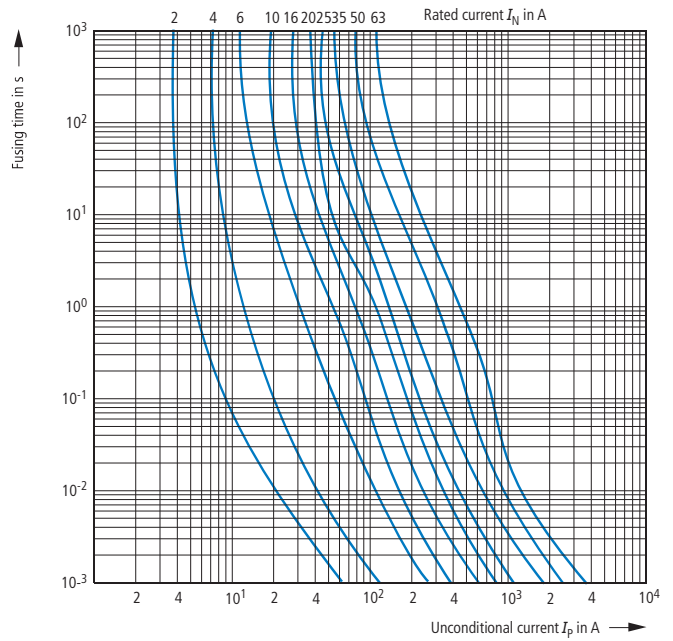
Fuse links

Z-DO.../S...

Let-through current



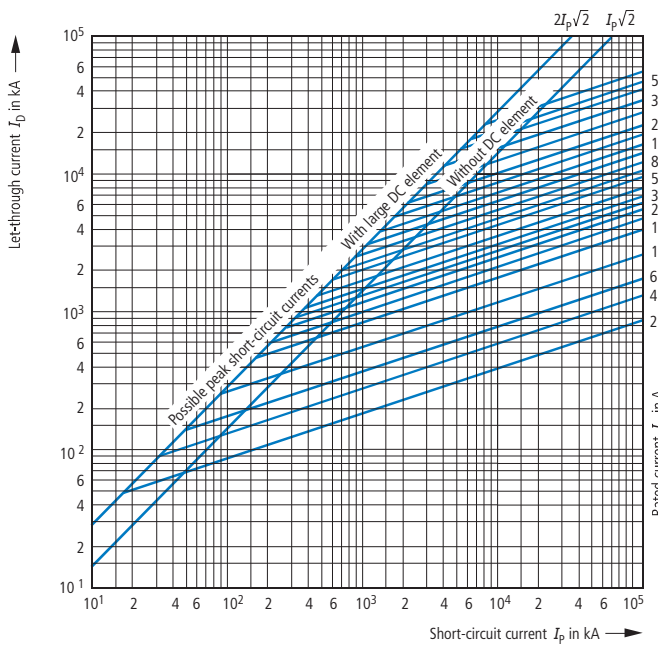
Time/current characteristics



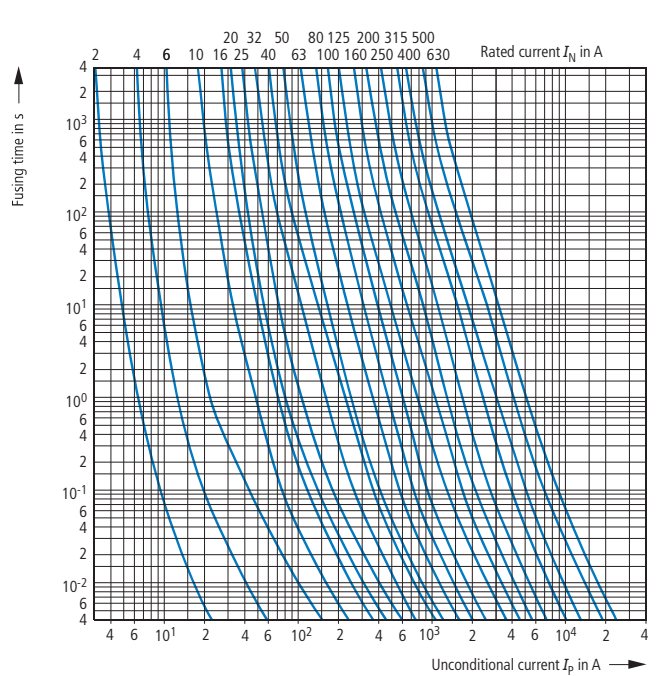
LV h.b.c. fuse links

Z-NH...

Let-through current



Time/current characteristics



Technical data

			FAZ	FAZ-...-DC	FAZ-PN	AZ
Electrical						
Standards			IEC/EN 60947-2 IEC/EN 60898	IEC/EN 60947-2	IEC/EN 60898	IEC/EN 60947-2
Rated operating voltage	V AC		230/400	-	230	230/400
	V DC		48 (per pole)	250 (per pole)	48 (per pole)	60 (per pole)
Rated switching capacity	kA		15	10	6	25
Operational switching capacity	kA		7.5	-	-	20
Characteristic			B, C, D, K, S, Z	C	B, C	Similar: D, C
Max. back-up fuse	A gL/gG		125	100	100	200
Selectivity class			3	3	3	Compliant with Class 3
Lifespan	Operations		> 10000	> 10000	> 4000	> 10000
Direction of incoming supply			Any	Polarized	Any	Any
Mechanical						
Standard front dimension	mm		45			
Device height	mm		80	80	80	90
Terminal protection			Finger and back-of-hand proof to BGV A2			
Mounting width per pole	mm		17.5	17.5	17.5	27
Mounting			Top-hat rail to IEC/EN 60715			
Protection type			IP20, IP40 (enclosed)			
Terminals top and bottom			Twin-purpose terminals			Lift terminals
Terminal capacity	Solid	mm ²	1 x 25	1 x 25	1 x 16	2.5 - 50
	Flexible	mm ²	2 x 10	2 x 10	-	-
Thickness of busbar material	mm		0.8 - 2	0.8 - 2	-	-
Mounting position			Any		-	-
			FAZT			
Electrical						
Standards			IEC/EN 60947-2			
Rated voltage	V AC		240/415			
	V DC		60 V per pole; up to two poles in series			
Rated frequency	<i>f</i>	Hz	50/60			
Rated switching capacity	B, C (to 13 kA); D (to 10 kA)	kA	25			
	B, C (16-25 kA); D (12-16 kA)	kA	20			
Characteristic			B, C, D			
Lifespan	Operations		20000			
Direction of incoming supply			Any			
Mechanical						
Standard front dimension	mm		45			
Device height	mm		80			
Mounting width per pole	mm		17.5			
Mounting			Quick attachment with three engagement positions for top-hat rail to IEC/EN 60715			
Protection type			IP20			
Terminals top and bottom			Twin-purpose terminals			
Terminal protection			Finger and back-of-hand proof to BGV A3, ÖVE-EN 6			
Terminal capacity	mm ²		1 - 25			
Tightening torque	Nm		2 - 2.4			
Thickness of busbar material	mm		0.8 - 2 (except N 0.5 space unit)			
Mounting position			Any			



			PKNM	FIM	AZFIMP	FI ≤ 100 A	FI 125 A and Type B
Electrical							
Standards and regulations			IEC/EN 61009	IEC/EN 61009	IEC/EN 60947-2	IEC/EN 61008	IEC/EN 61008
Tripping		A	250 (8/20 μs) non-delayed surge resistant			Non-delayed, S	
Rated operational voltage	U_e	V AC	230	230/400	230/400	230/400	230/400
Operating limit values		V AC	196 - 253	196 - 440	196 - 440	184 - 440	184 - 440
Rated frequency	f	Hz	50				
Rated fault currents	$I_{\Delta n}$	mA	30, 300	30, 300	30, 300	30, 100, 300, 500	30, 100, 300, 500
Rated non-tripping current			$0.5 \times I_{\Delta n}$	$0.5 \times I_{\Delta n}$	$0.5 \times I_{\Delta n}$	$0.5 \times I_{\Delta n}$	$0.5 \times I_{\Delta n}$
Rated fault switching capacity	$I_{\Delta n}$	A	-	-	-	$I_n = 16-40$ A: 500 $I_n = 63$ A: 630 $I_n = 80$ A: 800 $I_n = 100$ A: 1000	$I_n = 125$ A: 1250 for type B: 60, 80 A: 800 40 A: 500 125 A: 1250
	230 V	kA	6	-	-	-	-
	400 V	kA	3	-	-	-	-
Sensitivity			DC and pulsed current				Pulsed current and AC/DC
Rated switching capacity	I_{cn}	kA	10	As fitted FAZ	As fitted AZ	10	10
Operational switching capacity	I_{cs}	kA	-	As fitted FAZ	-	-	-
Rated ultimate breaking capacity	I_{cu}		-	As fitted AZ	As fitted AZ	-	-
Rated short-circuit switching capacity			-	-	= I_{cu}	-	-
Rated operational current	I_e	A	6 - 40	40, 63	80, 125	16 - 100	40 - 125
Rated impulse withstand voltage	U_{imp}	kV	6 (1.2/50 μs)	-	4 (1.2/50 μs)	6	6
Characteristic			B, C	-	-	-	-
Maximum back-up fuse as short-circuit protective device		A gL	100	-	-	$I_n = 16 - 63$ A: 63 $I_n = 80$ A: 80 $I_n = 100$ A: 100	$I_n = 125$ A: 125 for type B: $I_n \leq 80$: 100 $I_n = 125$: 125
Selectivity class			3	-	-	-	-
Lifespan							
Electrical		Operations	> 4000	-	> 1500	> 4000	> 2000
Mechanical		Operations	-	-	> 10000	> 20000	> 5000
Mechanical							
Standard front dimension		mm	45	45	45	45	45
Device height		mm	80	90	90	80	85
Terminal protection			Busbar tag shroud to BGV A2				
Mounting width		mm	35 (2 SU)	70 (2 pole), 125 (4 pole)	95 (5.5 SU)	35 (2 space unit), 70 (4 space units)	70 (4 SU)
Mounting			-	Permanently screw-connected to FAZ	Screwed on to AZ (2 to 4 pole)	IEC/EN 60715 top-hat rail	IEC/EN 60715 top-hat rail
Protection type							
Circuit-breaker			IP20	-	-	-	-
Enclosed			IP40	IP40	IP40	IP40	IP40
Terminals top and bottom			Twin-purpose terminals	Lift terminals	Lift terminals	Twin-purpose terminals	Twin-purpose terminals
Terminal capacity							
Solid		mm ²	1 x 25	1 x (1 - 25)	2.5 - 50	1.5 - 35	1.5 - 50
Flexible		mm ²	-	1 x (0.75 - 16)	-	2 x 16	2 x (1.5 - 16)
Thickness of busbar material		mm	0.8 - 2	0.8 - 2	-	0.8 - 2	0.8 - 2
Admissible ambient temperature range		°C	-25 - +40	-25 - +40	-25 - +40	-25 - +40	-25 - +40
Climatic proofing			IEC/EN 61009	IEC/EN 61009	IEC/EN 60068-2	IEC/EN 61008	IEC/EN 61008



			mRB6..	mRB4..
Electrical				
Standards			IEC/EN 61009	IEC/EN 61009
Tripping		A	250 (8/20 μ) non-delayed surge resistant	
Rated operating voltage	U_e	V AC	230/400	230/400
Rated frequency	f	Hz	50	50
Rated fault currents	$I_{\Delta n}$	mA	30, 100, 300	30, 100, 300
Rated fault non-tripping current			$0.5 \times I_{\Delta n}$	$0.5 \times I_{\Delta n}$
Sensitivity			DC and pulsed current	
Rated switching capacity	I_{cn}	kA	6	4.5
Rated operational current	I_e	A	6 - 25	6 - 25
Rated impulse withstand voltage	U_{imp}	kV	4 (1.2/50 μ s)	4 (1.2/50 μ s)
Characteristic			B, C, D	C, D
Maximum back-up fuse as short-circuit protective device		A gL	100	100
Selectivity class			3	3
Lifespan				
Electrical		Operations	> 4000	> 4000
Mechanical		Operations	> 20000	> 20000
Mechanical				
Standard front dimension		mm	45	45
Device height		mm	80	80
Terminal protection			Busbar tag shroud to VBG4	
Mounting width		mm	70 (4 SU)	70 (4 SU)
Mounting			Tristable slide catch allows removal from an existing assembly.	
Protection type				
Circuit-breaker			IP20	IP20
Enclosed			IP40	IP40
Terminals top and bottom			Twin-purpose terminals	
Terminal capacity				
Solid		mm ²	1 - 25	1 - 25
Thickness of busbar material		mm	0.8 - 2	0.8 - 2
Admissible ambient temperature range		°C	-25 - +40	-25 - +40
Climatic proofing			According to IEC 68-2 (25 – 55 °C, 90 – 95 % rel. humidity)	
Z-CC/2CO				
Electrical				
Power supply		VDC	12 - 24 ($\geq 10 - \leq 30$)	
Power consumption		W	1.5 - 6	
Temperature sensor			Incl. 9 pole Sub-D plug (for RS232 interface) Measurement range -10 °C – +50 °C, accuracy: ± 2 °C	
Outputs			2 floating relay outputs AC: 5 A at 250 AC DC: 5 A at 30 V DC, 0.3 A at 110 V DC and 0.12 A at 220 V DC Max. switching duty AC15 at 230 V DC: 500 VA	
Inputs			4; max. 12 – 24 V DC (2 – 4 mA) isolated (optocoupler)	
Ethernet interface			Required for parameterization with a PC (web browser). For connecting PC and Z-CC/2CO a crossover network cable is required (DNW-PX/0200/RJ45/RJ45).	
RS232 interface			9 pole Sub-D plug for connecting an external temperature sensor	
Green LED ON			Modem status LED (on registration in the GSM network the LED flashes every 3 seconds)	
Red LED ON			Modem activity LED (flashes when SMS is being sent or received)	
Mechanical				
Standard front dimension		mm	45	
Device height		mm	97	
Mounting width		mm	105	
Mounting			Quick attachment for top-hat rail EN 50022	
Protection type				
Enclosed			IP40	



			dRCM...
Electrical			
Standards and regulations			IEC/EN 61008, Type G and G/A to ÖVE E 8601 Current approvals as labeled
Tripping			Non-delayed
Type G, R			10 ms delayed
Type S			40 ms delay - selective switch off
Type U (only 30 mA)			10 ms delayed
Type U (except 30 mA)			40 ms delay - selective switch off
Rated voltage	U_n	V AC	230/400, 240/415
Rated frequency	f	Hz	50/60
Operational voltage electronic		V AC	50 - 254
Operational voltage test circuit		V AC	184 - 440
Rated fault currents	$I_{\Delta n}$	mA	30, 300
Sensitivity			DC and pulsed current
Rated insulation voltage	U_i	V	440
Rated impulse withstand voltage	U_{imp}	kV	4 (1.2/50 μ s)
Rated short-circuit strength	I_{nc}	kA	10
Surge current capacity			
Type G, G/A, R, U (30 mA)		kA	3 (8/20 μ s) surge-proof
Type S/A, U (except 30 mA)		kA	Part no. 5 (8/20 μ s) selective and surge-proof
Electrical isolation			> 4 mm contact spacing
Max. admissible back-up fuse			Short-circuit and overload
$I_n = 16 - 63$ A		A gG/gL	63
$I_n = 80$ A		A gG/gL	80
$I_n = 100$ A		A gG/gL	100
Lifespan			
Electrical		Operations	≥ 4000
Mechanical		Operations	≥ 20000
Mechanical			
Standard front dimension		mm	45
Device height		mm	80
Mounting width		mm	70 (4 SU)
Mounting			Quick attachment with two engagement positions for top-hat rail to IEC/EN 60715
Protection type			
Enclosed			IP40
In moisture-proof enclosure			IP54
Terminals top and bottom			Twin-purpose terminals
Terminal protection			Busbar tag shroud to BGV A3
Terminal capacity			
Solid		mm ²	1 - 35
Stranded		mm ²	2 x 16
Terminal screws			M5 (Pozidriv PZ2)
Tightening torque terminal screws		Nm	2 - 2.4
Thickness of busbar material		mm	0.8 - 2
Admissible ambient temperature range		°C	-25 - +40
Climatic proofing			According to IEC/EN 61008



			PDIM
Electrical			
Standards			Conforming with DIN/EN 62020
Rated operational current	I_e	A	40, 100
Response behavior (adjustable)			Non-delayed
Type G			10 ms delayed
Type S			40 ms delayed - selective
Rated operating voltage	U_e	V AC	230/400 50/60 Hz 240/415 50/60 Hz
Rated fault currents	$I_{\Delta n}$	mA	30, 100, 300, 500, 1000
Sensitivity			Alternating and pulsed current
Rated insulation voltage	U_i	V	440
Rated short-circuit strength	I_{nc}	kA	10
Max. admissible back-up fuse			
$I_n = 40$ A		A gG/gL	Short-circuit: 63 overload: 40
$I_n = 100$ A		A gG/gL	Short-circuit: 100 A Overload: 63 A
Switching contacts			Potential-free 10 A / 230 ~
Response behavior of contacts			1: 30 - 50 % $I_{\Delta n}$ 2: > 50 % $I_{\Delta n}$
Lifespan			
Electrical		Operations	≥ 4000
Mechanical		Operations	≥ 20000
Mechanical			
Standard front dimension		mm	45
Device height		mm	80
Mounting width		mm	70 (4 SU)
Mounting position			Any
Mounting			Quick attachment with two engagement positions for top-hat rail to IEC/EN 60715
Protection type			
Enclosed			IP40
Protection type In moisture-proof enclosure			IP54
Terminals top and bottom			Twin-purpose terminals
Terminal protection			Busbar tag shroud to BGV A3, ÖVE-EN 6
Terminal capacity (1, 2, 3, 4, 5, 6, N, N)			
Solid		mm ²	1.5 - 35
Stranded		mm ²	2 x 16
Terminal cross-section of switching contacts		mm ²	0.25 - 1.5
Thickness of busbar material		mm	0.8 - 2
Admissible ambient temperature range		°C	-25 to +40
Climatic proofing			According to IEC/EN 61008



			FAZ-XHIN11	FAZ-XHINW1	FAZ-XAM002	FAZ-XAA-C	FAZ-XUA
Electrical							
Rated operating voltage	U_e	V AC	250	250	250	-	115, 230, 400
Contact function			1 N/O + 1 NC	1 C	2 C	-	-
Voltage range		V AC	-	-	-	12 - 110 110 - 415	-
Closing threshold	$x U_n$		-	-	-	-	0.8
Tripping threshold	$x U_n$		-	-	-	-	0.5
Rated frequency	f	Hz	50/60	50/60	50/60	50/60	50/60
Rated operational current	I_e	A	6	6	4	-	-
Thermal rated operational current	I_{th}	A	6	6	4	-	-
Rated operational current							
AC-12	I_e	A	3 (250 V AC)	3 (250 V AC)	3 (250 V AC)	-	-
AC-15	I_e	A	2 (250 V AC)	2 (250 V AC)	2 (250 V AC)	-	-
DC-13	I_e	A	0.5 (110 V DC)	0.5 (110 V DC)	0.5 (110 V DC)	-	-
Rated insulation voltage	U_i	V AC	250	250	250	-	-
Minimum operating voltage per contact	U_{min}	V DC	5	5	5	-	-
Rated impulse withstand voltage (1.2/ 50 μ)	U_{imp}	kV	2.5	2.5	2.5	-	-
Rated conditional short-circuit current with 6 A back-up fuse	I_k	kA	1	1	1	-	-
Max. admissible back-up fuse		A gL	6	6	4		
Mechanical							
Standard front dimension		mm	45	45	45	45	45
Device height		mm	80	80	80	80	80
Mounting width		mm	8.8 (0.5 SU)	8.8 (0.5 SU)	8.8 (0.5 SU)	17.5 (1 SU)	17.5 (1 SU)
Mounting			Max. 2 \times on switching device	Max. 2 \times on switching device	On switching device	IEC/EN 60715 top-hat rail	IEC/EN 60715 top-hat rail
Protection type							
Enclosed			IP40				
Terminal protection			Busbar tag shroud to BGV A2				
Terminals			Lift terminals	Lift terminals	Lift terminals	Twin-purpose terminals	Twin-purpose terminals
Terminal capacity							
Solid		mm ²	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	1 - 2.5	2 \times (1 - 2.5)
Flexible		mm ²	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	1 - 2.5	2 \times (1 - 2.5)
Tightening torque of terminal screws		Nm	\leq 1.2	\leq 1.2	0.8 - 1.0	2.4	0.8



				AZ-XHI11	AZ-XAA	FI-XHI11 ≤ 100 A	FIPA-XAM011 125 A FI and Type B
Electrical							
Contact function				1 N/O + 1 NC	-	1 N/O + 1 NC	1 C/O + 1 NC
Voltage range		V AC		-	12 - 110 110 - 415	-	-
Voltage range		V DC		-	12 - 60 110 - 220	-	-
Min. operating voltage	U_e	V/mA		24/50	-	24/50	12/100
Rated operational current							
AC-11							
	230 V	I_e	A	6	-	6	6
AC-13							
	250 V	I_e	A	6	-	6	-
	400 V	I_e	A	2	-	2	-
DC-11							
	230 V	I_e	A	4	-	-	1
DC-13							
	60 V	I_e	A	4	-	4	-
	110 V	I_e	A	2	-	2	-
	230 V	I_e	A	0.5	-	0.5	-
Rated insulation voltage	U_i	V AC		440	440	440	440
Minimum operating voltage per contact	U_{min}	V DC		-	-	-	-
Rated impulse withstand voltage	U_{imp}	kV		-	-	-	-
Rated conditional short-circuit current with 6 A back-up fuse	I_k	kA		-	-	-	-
Max. admissible back-up fuse		A gL		6	Inherently short-circuit-proof	6	6
Lifespan							
Mechanical			Operations	> 6000	> 4000	> 6000	-
Inrush current							
AC			A	-	38	-	-
Duty factor AC			ms	-	2.1	-	-
DC			A	-	34	-	-
Duty factor DC			ms	-	2	-	-
Mechanical							
Standard front dimension		mm		45	45	45	45
Device height		mm		90	90	90	90
Mounting width		mm		8.8 (0.5 SU)	17.5 (1 SU)	8.8 (0.5 SU)	8.8 (0.5 SU)
Mounting				Top-hat rail to IEC/EN 60715			
Protection type							
Enclosed				IP40			
Circuit-breaker				IP20			
Terminal capacity							
Solid			mm ²	1 x (1 - 25) 2 x (1 - 4)	1 x (1 - 25) 2 x (1 - 4)	2 x (0.5 - 2.5) 1 x (0.5 - 2.5)	1 x 2.5 2 x 1.5
Flexible			mm ²	1 x (1 - 25) 2 x (1 - 4)	1 x (1 - 25) 2 x (1 - 4)	2 x (0.5 - 2.5) 1 x (0.5 - 2.5)	1 x 2.5 2 x 1.5
Tightening torque of the terminal screws			Nm	0.8	3	0.8	0.8



			KWZ-3PH	KWZ-3PH-65
Electrical				
Rated operating voltage	U_e	V AC	230 - 240/400-415	
Voltage range		V AC	110 - 254/190-440	
Rated operational current	I_e	A	1, 5	10
Max. current	I_{max}	A	6	63
Rated frequency	f	Hz	50, 60	
Limiting frequency		Hz	47 - 63	
Own consumption per phase (current path)		VA	≤ 0.5 (each phase)	≤ 4 (each phase)
Overload, short-term			$20 \times I_{max} / 0.5$ s	$30 \times I_{max} / 10$ ms
Auxilliary voltage			From measurement	
Input signal			Sine-shaped	
Accuracy class			1	
LED signal			1 pulse / 0.1 Wh	1 pulse / Wh
Pulse output				
Rated value			Max. 110 V AC/DC, 50 mA	
Switching contact (potential-free)			Optocoupler	
Pulse value (selectable)			1 pulse / 10 Wh, 100 Wh, 1 kWh, 10 kWh optional 1Imp. / 10 VARh, 100 VARh, 1 kVARh, 10 kVARh	1 pulse / 1 Wh, 10 - 100 Wh, 1 kWh, 10 kWh optional 1Imp. / 10 VARh, 100 VARh, 1 kVARh, 10 kVARh
Pulse duration (selectable)		ms	50, 100, 150, 200, 300, 400, 500	
Programmable parameters			Network types (single-phase, 3-phase, 3- or 4-conductor), External current and voltage transformers, mean performance, pulse output	Network types (3-phase, 3- or 4-conductor), Partial energy and double tariff, mean performance, pulse output
Overvoltage category			III	
Insulation voltage (phase - phase)		V	450	300
Rated impulse withstand voltage (1.2/50) μ s		kV	5	
Test voltage				
Input/pulse output		kV	2.75	
All circuits and ground		kV	4	
Protection class			II	
Mechanical				
Standard front dimension		mm	45	
Device height		mm	89	
Mounting width		mm	71.2	
Weight		g	260	
Display			LCD 8 digit	
Digit height		mm	6	
Maximum display			Adjustable	999999.99 kWh
Resolution			Adjustable	10 W
Measurement display			arranged into 6 pages	arranged into 7 pages
Mounting			Quick attachment for top-hat rail IEC/EN 60715	
Protection type device front/ terminals			IP52/IP20	
Terminals top and bottom			Screw terminals	
Terminal capacities				
Current connections				
Solid		mm ²	0.05 - 4	1 - 10
Stranded		mm ²	0.05 - 2.5	1 - 13
Voltage connections				
Solid		mm ²	0.05 - 4	1 - 4
Stranded		mm ²	0.05 - 2.5	1 - 3
Admissible relative humidity			Also suitable for tropical conditions	
Reference temperature		°C	23 \pm 2	
Temperature range		°C	-5 - +55	
Storage and transportation temperature range		°C	-25 - +70	
Pollution degree			2	



			FAZ/FIP-XAWM	FAZ/FIP-XDWM
Electrical				
Operating voltage range				
V AC			220 - 240	-
V DC			-	48
Rated frequency	f	Hz	50/60	-
Relay output for alarm, 250 V AC, floating		A	5	5
Function	Automatic control			
Function selector	Automatic 5 ×, OFF/RESET			
Mechanical				
Standard front dimension		mm	45	45
Device height		mm	80	80
Mounting width		mm	70	70
Mounting	Top-hat rail to IEC/EN 60715			
Protection type				
Enclosed	IP40			
Terminal protection	Busbar tag shroud to BGV A2			
Terminals	Lift terminals			
Terminal capacity				
Solid		mm ²	2 x 1.5 1 x 2.5	2 x 1.5 1 x 2.5
Flexible		mm ²	2 x 1.5 1 x 2.5	2 x 1.5 1 x 2.5

			FAZ-...-NA	FAZ-...-RT
Electrical				
Standards			UL 489, CSA C22.2 No.5, IEC 60947-2	
Rated operating voltage				
UL/CSA 0.5 - 25 A			V AC	277/480 Y
UL/CSA 32 - 40 A			V AC	240
UL/CSA (per pole)			V DC	48
IEC			V AC	240/415
Rated frequency	f	Hz	50/60	
Rated breaking capacity				
IEC		kA	15	
Characteristic			B, C, D	
Lifespan			Operations > 20000	
Mains voltage connection			Any (top/bottom)	
Mechanical				
Standard front dimension		mm	45	
Device height		mm	105	
Mounting width per pole		mm	17.7	
Mounting	Quick attachment with two engagement positions for top-hat rail to IEC/EN 60715			
Terminals top and bottom	Twin-purpose terminals			
Terminal capacity				
Solid		AWG	18 - 6	
Flexible		AWG	18 - 10	
Mounting position			Any	
Calibration temperature				
UL 489, CSA C22.2 No. 5		°C	40	
IEC 60947-2		°C	30	



			Z-NHK	Z-IHK-NA
Electrical				
Standards			IEC/EN 60947-5-1, IEC/EN 62019	IEC/EN 60947-5-1, IEC/EN 62019
Rated voltage		V AC	230	250
Contact function			2 C	1 N/O + 1 NC
Rated frequency	f	Hz	50/60	50/60
Rated operational current	I_e	A	2	6
Thermal rated operational current	I_{th}	A	2	6
Rated operational current				
AC-13	I_e	A	3 (250 V AC)	3 (250 V AC)
AC-15	I_e	A	2 (250 V AC)	2 (250 V AC)
DC-12	I_e	A	0.5 (110 V DC)	0.5 (110 V DC)
Rated insulation voltage	U_i	V AC	250	250
Minimum operating voltage per contact	U_{min}	V DC	5	5
Minimum operating current	I_{min}	mA	10 (DC)	10 (AC/DC)
Rated impulse withstand voltage (1.2/ 50 μ)	U_{imp}	kV	2.5	4
Rated conditional short-circuit current with 6 A back-up fuse	I_k	kA	1	1
Max. admissible back-up fuse		A gL	6	
Mechanical				
Standard front dimension		mm	45	45
Device height		mm	80	80
Mounting width		mm	8.8 (0.5 SU)	8.8 (0.5 SU)
Mounting			For fitting to left side of FAZ-...-NA, FAZ-...-RT, FAZ-XAA-NA...	-
Protection type				
Enclosed			IP40	IP40
Terminal protection			Busbar tag shroud to BGV A3	Busbar tag shroud to BGV A3
Terminals			Lift terminals	Lift terminals
Terminal capacity				
		AWG	20 - 14	-
		mm ²		0.5 - 2.5
Terminal screws			M3 (Pozidriv Z0)	M3 (Pozidriv Z0)
Tightening torque of the terminal screws		Nm	-	≤ 1.2
			FAZ-XAA-NA12-110VAC	FAZ-XAA-NA110-415VAC
Electrical				
Voltage range		V AC	12 - 110	110 - 415
		V DC	12 - 60	110 - 230
Rated frequency	f	Hz	50/60	50/60
Mechanical				
Standard front dimension		mm	45	45
Device height		mm	105	105
Mounting width		mm	17.5	17.5
Mounting			Quick attachment with two engagement positions for top-hat rail to EN 50022	Quick attachment with two engagement positions for top-hat rail to EN 50022
Protection type				
Enclosed			IP40	IP40
Terminal protection			Busbar tag shroud to BGV A3	Busbar tag shroud to BGV A3
Terminals top and bottom			Twin-purpose terminals	Twin-purpose terminals
Terminal capacity				
Solid		AWG	18 - 10	18 - 10
Two-wire		AWG	18 - 10	18 - 10



Z-NH-..., Z-SLS/B, Z-DO

			Z-NH-...	Z-NH-1/	Z-NH-2/	Z-NH-2/
Electrical						
Standards			IEC 60269, VDE 0636, SEV 1086			
Nominal voltage						
AC		V AC	500	500	500	500
DC		V DC	230	440	440	440
Rated operational current			10 - 160	50 - 250	100 - 400	250 - 630
Rated frequency			45 - 62	45 - 62	45 - 62	45 - 62
Rated breaking capacity						
AC		kA	120	120	120	120
DC		kA	25	25	25	25
Max. heat dissipation						
$I_n = 10$ A		W	1.1	-	-	-
$I_n = 16$ A		W	1.6	-	-	-
$I_n = 20$ A		W	1.7	-	-	-
$I_n = 25$ A		W	1.9	-	-	-
$I_n = 35$ A		W	3.0	-	-	-
$I_n = 40$ A		W	3.5	-	-	-
$I_n = 50$ A		W	4.6	5.4	-	-
$I_n = 63$ A		W	5.4	6.3	-	-
$I_n = 80$ A		W	5.1	7.2	-	-
$I_n = 100$ A		W	6.9	8.6	8.8	-
$I_n = 125$ A		W	10.3	11.9	12.1	-
$I_n = 160$ A		W	11.0	13.9	14.0	-
$I_n = 200$ A		W	-	15.2	15.2	-
$I_n = 250$ A		W	-	21.8	21.8	19.4
$I_n = 315$ A		W	-	-	23.7	23.7
$I_n = 400$ A		W	-	-	30.5	30.5
$I_n = 500$ A		W	-	-	-	42.0
$I_n = 630$ A		W	-	-	-	47.0

			Z-SLS/B	Z-SLS/B24
Electrical				
Rated operating voltage				
Rated operating voltage	U_e	V AC	60 - 400	24 - 60
		V DC	60 - 220	24 - 60
Utilization category			gG (gL)	gG (gL)
Test voltage			5	5
Mechanical				
Size			D01: 1, 2, 4, 6, 10, 13, 16 A D02: 20, 25, 32, 35, 40, 50, 63 A	

			Z-DO/SE
Electrical			
Standards			DIN VDE 0636, DIN 49522
Utilization category			gG (gL)
Rated voltage			
AC	U_n	V	400
DC	U_n	V	220
Rated frequency			45 - 65
Rated insulation voltage			2500
Rated short-circuit switching capacity			
AC		kA	50
DC		kA	8



19/76 Circuit-breakers, fuses

Fuse material

D01-S, D02-S..., Z-DII-/SE

			D01-S0/	D02-S0/
Electrical				
Number of poles			1P 3P	1P 3P
Rated operating voltage		V AC	400	400
		V DC	250	250
Rated conditional short-circuit current tested with links	I_e	kA	50 (AC) / 8 (DC)	50 (AC) / 8 (DC)
Rated frequency	f	Hz	-	-
Rated operational current	I_e	A	16	63
Conventional thermal current with fuse links	I_{th}	A	-	-
Rated operating mode			-	-
Overvoltage category			-	-
Utilization category			-	-
Rated impulse withstand voltage	U_{imp}	kV	-	-
Current heat loss per contact at I_e		W	-	-
Heat dissipation				
		W	-	-
Heat dissipation per contact with fuse link at I_e		W	-	-
Max. permissible heat dissipation of the fuse links		W	-	-
Utilization category			gG (gL)	gG (gL)
Mechanical				
Standard front dimension		mm	45	45
Device height		mm	68	68
Mounting width		mm	27 (per pole)	27 (per pole)
Weight		g	1P 76 3P 230	1P 76 3P 230
Electrical thread			E14	E18
Mounting			Quick attachment for top-hat rail IEC/EN 60715	
Protection type				
Enclosed			-	-
Terminals				
Double function terminals				
Terminal capacity				
Solid		mm ²	1.5 - 35	1.5 - 35
Temperature range		°C	-	-
Terminal screw tightening torque		Nm	2.5 - 3	2.5 - 3
Pollution degree			-	-
Track resistance			CTI 200	CTI 200
			Z-DII./SE	
Electrical				
Standards			DIN EN 60269-1 (VDE 0636 part 10), DIN EN 60269-3 (VDE 0636 part 30), DIN VDE 0636-301, CEE 16, IEC/EN 60269-1, IEC/EN 60269-3	
Utilization category			gG (gL), DZ	
Rated voltage				
AC	U_n	V	500	
DC	U_n	V	400	
Rated frequency	f	Hz	45 - 65	
Insulation class			C-VDE0110	
Rated short-circuit breaking capacity at 1.1 x U_n				
AC		kA	50/cosφ = 0.2	
DC		kA	8/τ = 15 ms	



			Z-SLS/NE0Z	Z-SLK/NE0Z
Electrical				
Number of poles			1P 1P+N 2P 3P 3P+N	1P 1P+N 2P 3P 3P+N
Rated operating voltage		V DC	1P up to 110V / 2P up to 220V	
Rated operating voltage		V AC	400	400
Rated operational current	I_e	A	63	63
Rated uninterrupted current	I_u	A	63	63
Rated short-circuit making capacity			50 kArms	50 kArms
Normally open contact			-	5A/250V
Switching category			AC 22 B, DC 21 B	AC 22 B, DC 21 B
Overvoltage category			IV	IV
Rated impulse withstand voltage	U_{imp}	kV	6	6
Current heat loss per current path at I_e		W	0.5	0.5
Heat dissipation				
Heat dissipation per contact with fuse link at I_e		W	7.5	7.5
Relay section electrical				
Operating voltage range		V AC	-	24 - 240
Operational voltage tolerance			-	±10%
Power consumption		VA	-	5
Frequency		Hz	-	50-60
Function display			-	Mains: 1 LED Fault: 1 LED
Duty factor		%	-	100
Response delay		ms	-	Approx. 100
Recovery time	t_w	ms	-	Approx.100
Relay contacts			-	2 changeover contacts, 5A/250V
Overvoltage category			-	III
Auxiliary contacts				
Rated impulse withstand voltage	U_{imp}	kV	-	4
Mechanical				
Standard front dimension		mm	45	45
Device height		mm	86	86
Mounting width		mm	27/per pole (1.5 SU)	27/per pole (1.5SU) + 27
Weight		g	1P 113 1P+N 225 2P 224 3P 450 3P+N 472	1P 224 2P 345 3P 450 3P+N 472
Mounting			Quick attachment for top-hat rail IEC/EN 60715	
Protection type in fitted state			IP20	IP20
Terminals			Lift terminals	Lift terminals
Terminal capacity				
Solid		mm ²	1.5 - 35	1.5 - 35
Temperature range		°C	-25 ... +60	-25 ... +60
Flammability classification to EN 60730			V0, glow-wire test 960°C	
Terminal screw tightening torque		Nm	Max. 4.5	Max. 4.5
Pollution degree			3	3
Track resistance			CTI 600	CTI 600
Relay section mechanical				
Terminals			Lift terminals	Lift terminals
Terminal capacity				
Solid		mm ²	-	0.14 - 4
Flexible		mm ²	-	0.14 - 2.5
Terminal screw tightening torque		Nm		0.5 - 0.7



			VLC14	VLC22	
Electrical					
Number of poles			1P 1P+N 2P 3P 3P+N	1P 1P+N 2P 3P 3P+N	
Rated operating voltage		V AC	690	690	
Rated operational current	I_e	A	50	100	
Rated conditional short-circuit current	I_e	kA	100	100	
Rated frequency	f	Hz	50	50	
Utilization category			AC 22 B	AC 21 B	
Rated impulse withstand voltage	U_{imp}	kV	8	8	
Max. permissible heat dissipation of the fuse		W	gG: 5, aM: 3	gG: 9.5, aM: 7	
Mechanical					
Standard front dimension		mm	45	45	
Device height		mm	94	121	
Mounting width		mm	27/per pole	36/per pole	
Weight		g	1P 100 1P+N 222 2P 201 3P 308 3P+N 437	1P 160 1P+N 355 2P 310 3P 480 3P+N 680	
Mounting			Quick attachment for top-hat rail IEC/EN 60715		
Protection type					
Enclosed			IP20		
Terminals			Lift terminals		
Terminal capacity					
Solid		mm ²	1.5-10	2.5-35	
Temperature range		°C	-25 ... +60	-25 ... +60	
Terminal screw tightening torque					
Tightening torque		Nm	Max. 2	Max. 2.5	
Pollution degree			1	1	
Track resistance			CTI 400	CTI 400	
			Z-D01/SE	Z-D02/SE	
Electrical					
Rated operating voltage		V AC	400	400	
		V DC	220	220	
Utilization category			gG (gL)	gG (gL)	
Rated frequency	f	Hz	45-65	45-65	
Rated insulation voltage	U_i	V	2500	2500	
Rated short-circuit switching capacity			50 kA (AC) 8 kA (DC)	50 kA (AC) 8 kA (DC)	
			Z-SLS/B	Z-SLS/B24	Z-SLS/TR-SET
Electrical					
Rated operating voltage		V DC	-	24	-
Rated operating voltage		V AC	60 - 400	24	400
Utilization category			gG (gL)	gG (gL)	-
Test voltage		kV	5	5	5
Rated uninterrupted current	I_u	A	-	-	63



			C10-FD/...
Electrical			
Standards			IEC/EN 60947-1 Ed. 4.0, EN 60947-1:1999+A1:2000+A2:2001 IEC/EN 60947-3 Ed. 2.1, EN 60947-3:1999+A1:2001
No. of poles			1, 2
Rated voltage	U_e	V DC	1000
Rated operational current	I_e	A	20
Rated conditional short-circuit current		kA	10
Utilization category			DC 20 B
Rated insulation voltage	U_i	V DC	1000
Overvoltage category			II
Rated impulse withstand voltage	U_{imp}	kV	4
Current heat loss per contact without fuse		W	0.9
Max. heat dissipation of fuse		W	3
Mechanical			
Standard front dimension		mm	45
Device height		mm	83.3
Mounting width		mm	17.5/pole
Weight			
1P		g	58
2P		g	70
Mounting			Quick attachment for top-hat rail IEC/EN 60715
Protection type			IP20
Terminals top and bottom			Lift terminals
Terminal cross-section			0.5 - 10 mm ² AWG 20 - 8
Tightening torque of the terminal screws		Nm	1.5
Ambient temperature range		°C	-25 - +40
Flammability classification			Glow wire 960 °C
Pollution degree			2
Track resistance			CTI 450

			Z-C10/SE 10 x 38	Z-C12/SE 14 x 51	Z-C22/SE 22 x 58
Electrical					
Standards			IEC 60269-1 and IEC 60269-2-1		
Utilization category			gG (gL)	gG (gL)	gG (gL)
Rated voltage	U_n	V AC	1 - 25 A/500 32 A/400	2 - 32 A/690 40 - 50 A/500	16 - 40 A/690 50 - 100 A/500
Utilization category			aM	aM	aM
Rated voltage	U_n	V AC	1 - 16 A/500 20 - 32 A/400	2 - 25 A/690 32 - 50 A/500	16 - 50 A/690 80 - 100 A/500
Rated frequency	f	Hz	50	50	50
Rated short-circuit breaking capacity		kA	100	100	100

			Z-C10/SE-.../PV 10 x 38
Electrical			
Standards			IEC 60269-1 and IEC 60269-4
Rated voltage	U_n	V DC	6 - 20 A/1000 25 A/900
Rated short-circuit breaking capacity		kA	30
$\tau = L/R$		ms	2



			GST...00-160	GST...1	GST...2	GST...3
General						
Standards			IEC/EN 60947-3			
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30			
Ambient temperature		°C	-25 ... +55	-25 ... +55	-25 ... +55	-25 ... +55
Installation altitude		m	max. 2000	max. 2000	max. 2000	max. 2000
Mounting position			Vertical, horizontal			
Overvoltage category/pollution degree			III/3	III/3	III/3	III/3
Busbar tag shroud at the front						
Operational status			IP20	IP20	IP20	IP20
Front cover open			IP10	IP10	IP10	IP10
Direction of incoming supply			Any			
Weight		kg	0.72 GSTA 0.93 GST	2.5 GSTA 4.4 GST	3.3 GSTA 5.3 GST	4.6 GSTA 6.6 GST
Contacts						
Rated operating voltage	U_e	V AC	500 690	500 690	500 690	500 690
Rated operating voltage	U_e	V DC	220 440	220 440	220 440	220 440
Rated operational current	I_e	A	160 100	250 200	400 315	630 500
Rated frequency		Hz	40 - 60	40 - 60	40 - 60	40 - 60
Rated conditional short-circuit current AC		kA_{rms}	50	50	50	50
Rated conditional short-circuit current, DC		kA_{rms}	25	25	25	25
Utilization category AC-22B						
Rated making capacity		A	480 300	750 600	1200 945	1890 1500
Rated breaking capacity		A	480 300	750 600	1200 945	1890 1500
Utilization category DC-21B						
Rated making capacity		A	150	300	475	750
Rated breaking capacity		A	150	300	475	750
Lifespan, electrical	Operations		300	200	200	200
Lifespan, mechanical	Operations		1700	1400	800	800
Heat dissipation at I_{th} AC, without NH-SE		W	6.9 2.7	12.9 8.3	27 16.7	52 32.8
Heat dissipation at I_{th} DC, without NH-SE		W	4.6 1.8	8.6 5.5	18 11.2	34.7 21.8
Rated insulation voltage	U_i	V AC	750	750	750	750
Max. fuse link						
Size			NH00	NH1	NH2	NH3
Max. rated operational current, gL/gG		A	160	250	400	630
Max. admissible heat dissipation, NH-SE	P_v	W	12	23	34	48
Terminal capacity						
Box terminal						
Stranded		mm ²	1.5 - 70	-	-	-
Copper strip	Number of layers x width x thickness	mm	6 x 9 x 0.8	-	-	-
Tightening torque		Nm	2.6	-	-	-
Flange connection						
Bolt diameter			-	M10	M10	M10
Cable lug		mm	-	1 x 25 - 150	1 x 25 - 240	1 x 25 - 300
Flat rail		mm	-	30 x 10	30 x 10	40 x 10
Tightening torque		Nm	-	30 - 35	30 - 35	30 - 35
Box terminal						
Stranded copper		mm ²	1.5 - 70	25 - 150	25 - 240	25 - 300
Copper strip	Number of layers x width x thickness	mm	-	6 x 16 x 0.8	10 x 16 x 0.8	11 x 21 x 1
Tightening torque		Nm	-	9.5	23	23
Clamp-type cable terminal						
Stranded aluminum/copper		mm ²	-	70 - 150	120 - 240	120 - 300
Tightening torque		Nm	-	4.5	11	11
Double clamp-type terminal						
Stranded aluminum/copper		mm ²	-	2 x (70 - 95)	2 x (120 - 150)	2 x (120 - 240)
Tightening torque		Nm	-	4.5	11	11

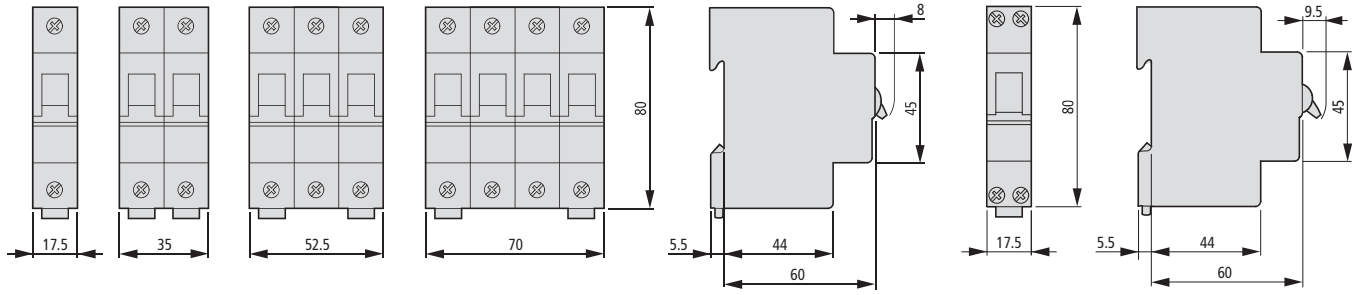
			GS00-160	GSU1	GSU2	GSU3
General						
Standards			IEC/EN 60 269-2-1; VDE0636-201			
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30			
Ambient temperature		°C	-25 ... +55	-25 ... +55	-25 ... +55	-25 ... +55
Installation altitude		m	max. 2000	max. 2000	max. 2000	max. 2000
Mounting position			Vertical, horizontal	Vertical, horizontal	Vertical, horizontal	Vertical, horizontal
Overvoltage category/degree of pollution			III/3	III/3	III/3	III/3
Busbar tag shroud at the front						
Operational status			IP00	IP00	IP00	IP00
Direction of incoming supply			Any	Any	Any	Any
Weight		kg	0.4	1.7	2.1	2.7
Contacts						
Rated operating voltage	U_a	V AC	690	690	690	690
Rated operating voltage	U_a	V DC	440	440	440	440
Rated operational current	I_e	A	160	250	400	630
Rated frequency		Hz	40 - 60	40 - 60	40 - 60	40 - 60
Heat dissipation at I_{th} AC, without NH-SE		W	6.9	12.9	27	52
Heat dissipation at I_{th} DC, without NH-SE		W	4.6	8.6	18	34.7
Rated insulation voltage	U_i	V AC	750	750	750	750
Max. fuse link						
Size			NH00	NH1	NH2	NH3
Max. rated operational current, gL/gG		A	160	250	400	630
Max. admissible heat dissipation NH-SE	P_v	W	12	23	34	48
Terminal capacity						
Box terminal						
Stranded		mm ²	-	-	-	-
Copper strip	Number of layers x width x thickness	mm	-	-	-	-
Tightening torque		Nm	-	-	-	-
Flange connection						
Bolt diameter			-	M10	M10	M10
Cable lug		mm	-	1 x 25 - 150	1 x 25 - 240	1 x 25 - 300
Flat rail		mm	-	30 x 10	30 x 10	40 x 10
Tightening torque		Nm	-	30 - 35	30 - 35	30 - 35
Box terminal						
Stranded copper		mm ²	1.5 - 70	25 - 150	25 - 240	25 - 300
Copper strip	Number of layers x width x thickness	mm	6 x 9 x 0.8	6 x 16 x 0.8	10 x 16 x 0.8	11 x 21 x 1
Tightening torque		Nm	2.6	9.5	23	23
Clamp-type cable terminal						
Stranded aluminum/copper		mm ²	-	70 - 150	120 - 240	120 - 300
Tightening torque		Nm	-	4.5	11	11
Double clamp-type terminal						
Stranded aluminum/copper		mm ²	-	2 x 70 - 95	2 x 120 - 150	2 x 120 - 240
Tightening torque		Nm	-	4.5	11	11



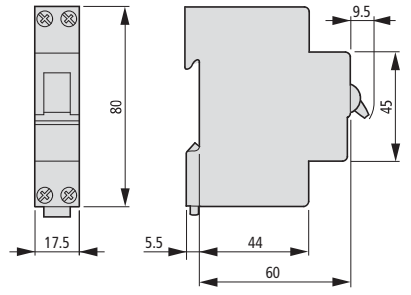
Dimensions

Miniature circuit-breakers (MCB)

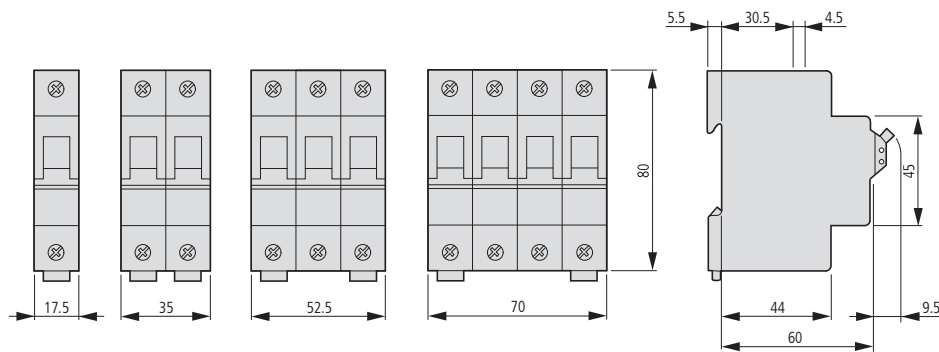
FAZ...



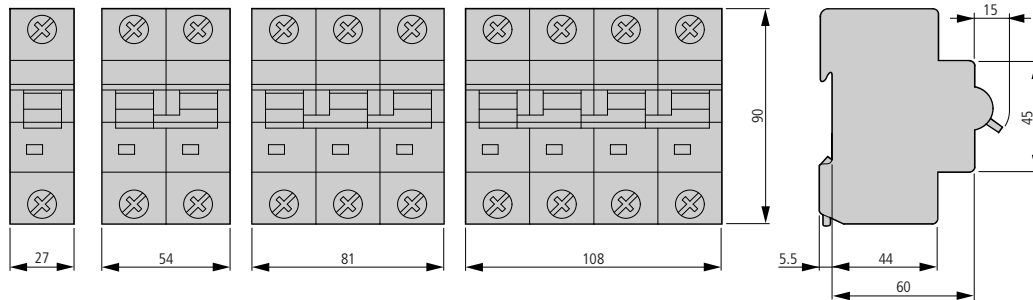
FAZ-PN...



FAZT

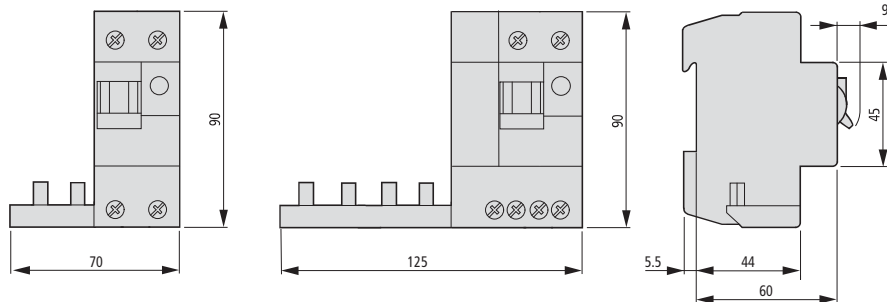


AZ...



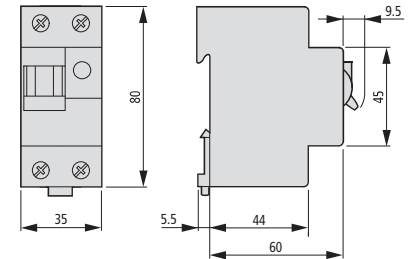
Residual-current protective modules

FIM...



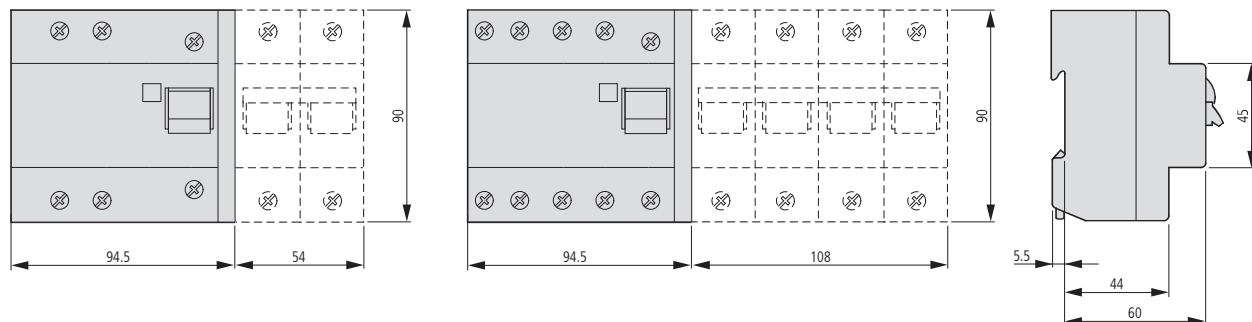
Combination switches

PKNM...



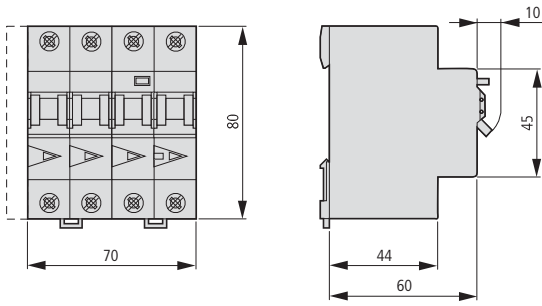
Residual-current protective modules

AZFIM...



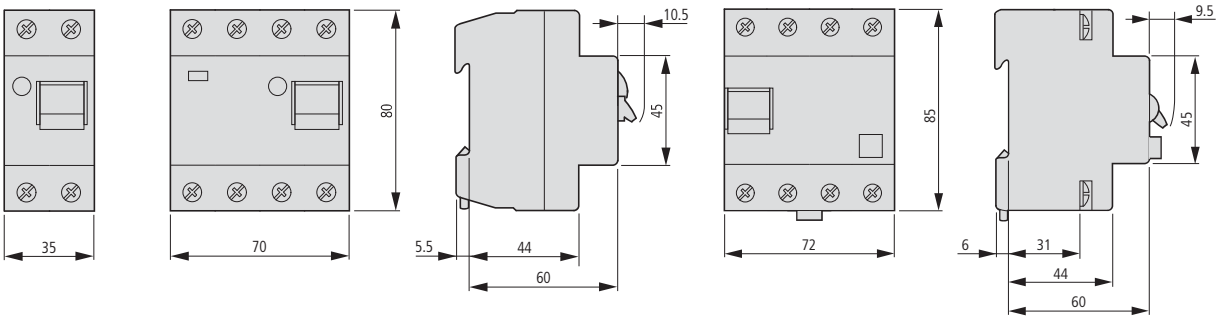
Combination FI/LS switches

mRB6..., mRB4...



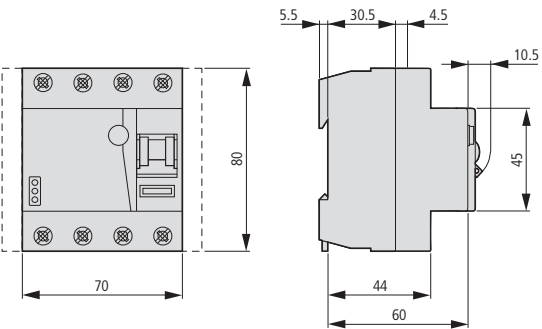
Residual-current devices

FI...



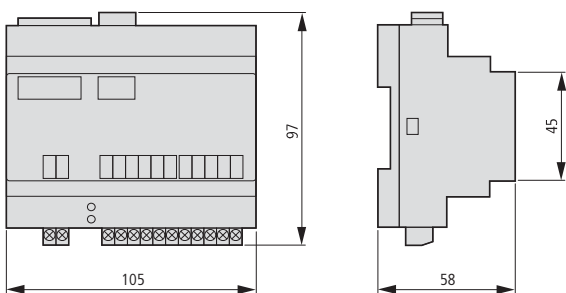
Residual-current devices

dRCM...



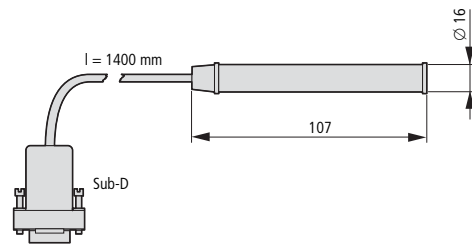
Remote monitoring unit

Z-CC/2CO



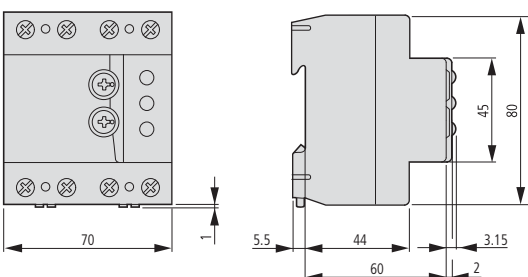
Temperature sensor

Z-CC/2CO-SE



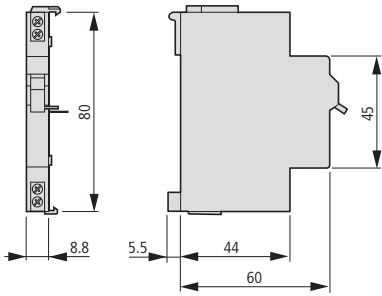
Leakage current meter

PDIM

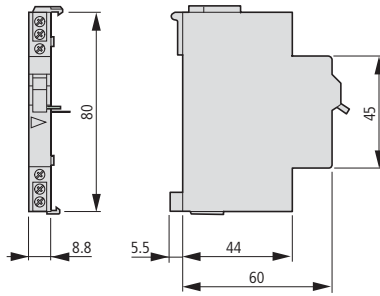


Auxiliary contacts

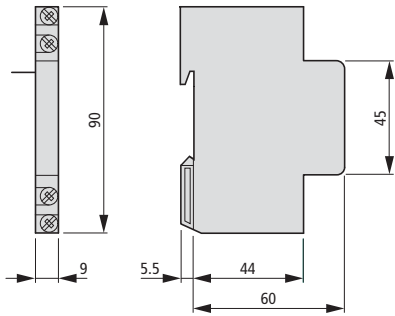
FAZ-XHIN11



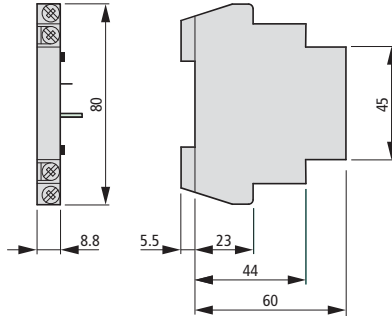
FAZ-XAM002



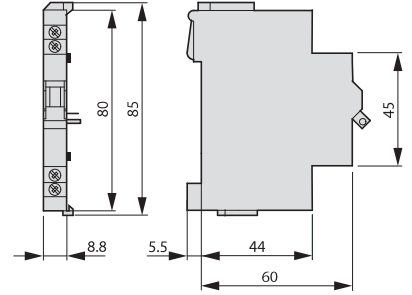
AZ-XHI11



FIP-XHI11

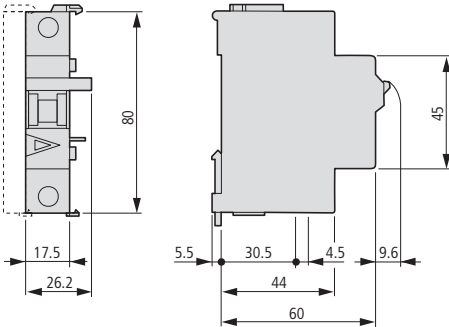


FIPA-XAM011



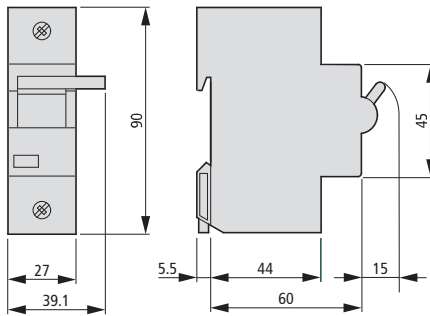
Shunt release

FAZ-XAA-C...



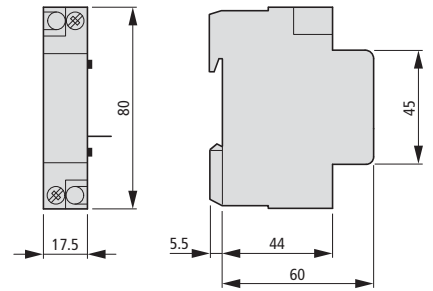
Shunt release

AZ-XAA...



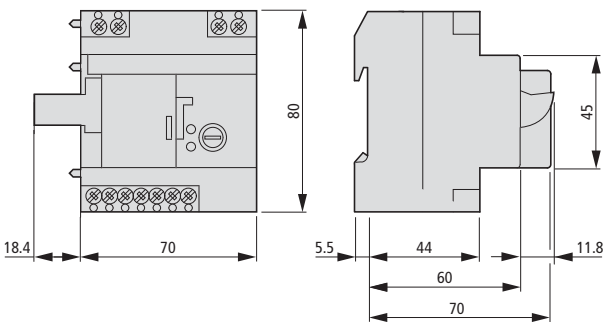
Under voltage release

FAZ-XUA...

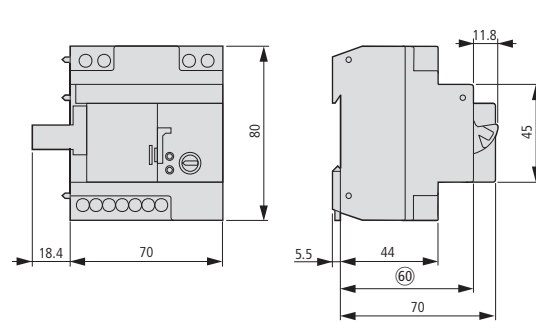


Remote switching modules

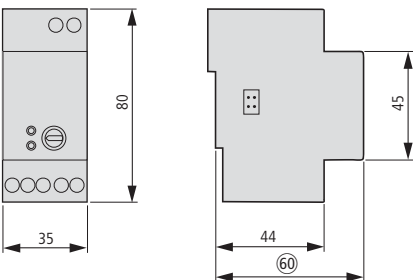
FAZ/FIP...



Z-FW-LP
Z-FW-LPD

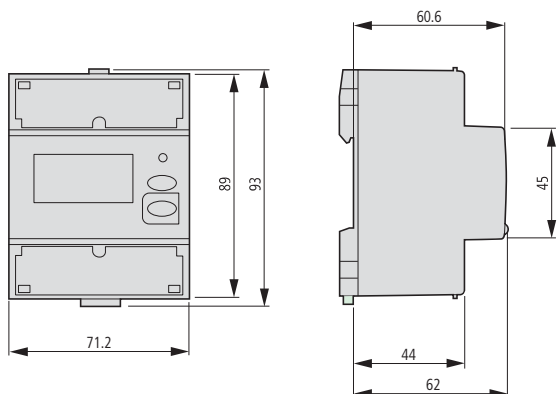


Z-FW-M0



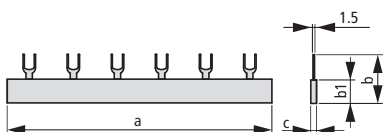
Power meter

KWZ-3PH...



Euro-Vario busbars

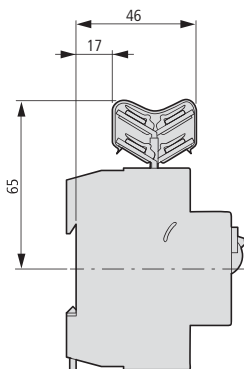
EVG-10(16)/...



Part no.	a	b	b1	c
EVG-(16)/1PHAS/2MODUL	33	25.9	14	3.4
EVG-(16)/1PHAS/6MODUL	105	25.9	14	3.4
EVG-(16)/1PHAS/12MODUL	210	25.9	14	3.4
EVG-(16)/2PHAS/4MODUL	75.5	30.9	19	7.3
EVG-(16)/2PHAS/6MODUL	105	30.9	19	7.3
EVG-(16)/2PHAS/12MODUL	209.5	30.9	19	7.3
EVG-(16)/3PHAS/6MODUL	102.5	30.9	19	10.3
EVG-(16)/3PHAS/9MODUL	156	30.9	19	10.3
EVG-(16)/3PHAS/12MODUL	209.5	30.9	19	10.3
EVG-(16)/3PHAS/16MODUL	285	30.9	19	10.3
EVG-(16)/3PHAS/20MODUL	353	30.9	19	10.3
EVG-(16)/4PHAS/8MODUL	138	30.9	19	13.3
EVG-(16)/4PHAS/12MODUL	209.5	30.9	19	13.3
EVG-(16)/3PHAS/N/5MODUL/LS	156	30.9	19	10.3
EVG-(16)/3PHAS/N/8MODUL/LS	209.5	30.9	19	10.3
EVG-(16)/1PHAS/2MODUL/HI	60	25.9	14	3.4
EVG-(16)/1PHAS/6MODUL/HI	156.5	25.9	14	3.4
EVG-(16)/1PHAS/9MODUL/HI	237	25.9	14	3.4
EVG-(16)/2PHAS/4MODUL/HI	75.5	30.9	19	7.3
EVG-(16)/2PHAS/6MODUL/HI	120	30.9	19	7.3
EVG-(16)/2PHAS/10MODUL/HI	209.5	30.9	19	7.3
EVG-(16)/3PHAS/6MODUL/HI	115	30.9	19	10.3
EVG-(16)/3PHAS/12MODUL/HI	237	30.9	19	10.3
EVG-(16)/3x 1PHAS/6MODUL/HI	152	30.9	19	10.3
EVG-(16)/3x 1PHAS/8MODUL/HI	209.5	30.9	19	10.3
EVG-(16)/3x 1PHAS/9MODUL/HI	229	30.9	19	10.3

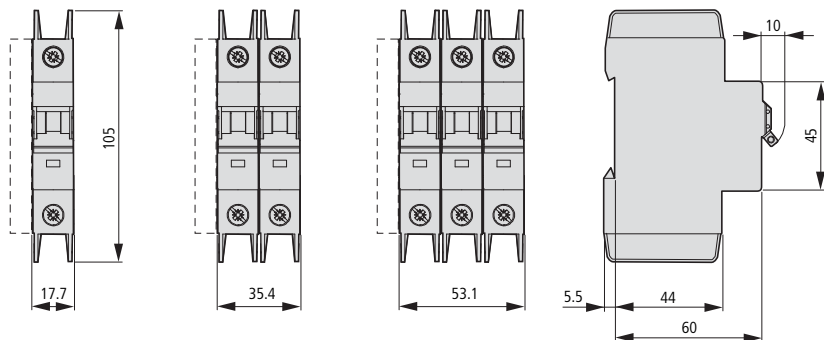
Connecting bracket

ZV-...-80A-...



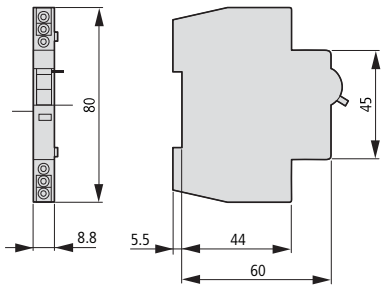
Miniature circuit-breakers (MCB)

FAZ-...-NA, FAZ-...-RT



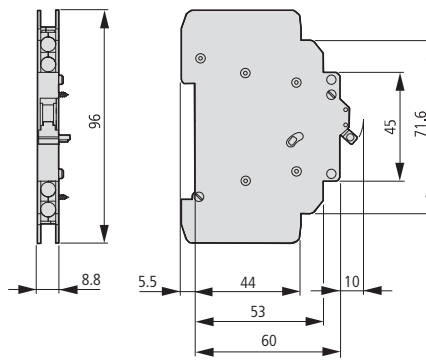
Tripping signal contact

Z-NHK



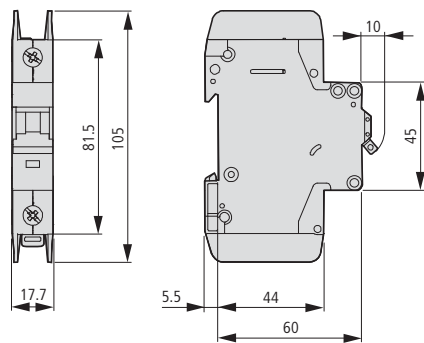
Auxiliary contacts

Z-IHK-NA



Shunt release

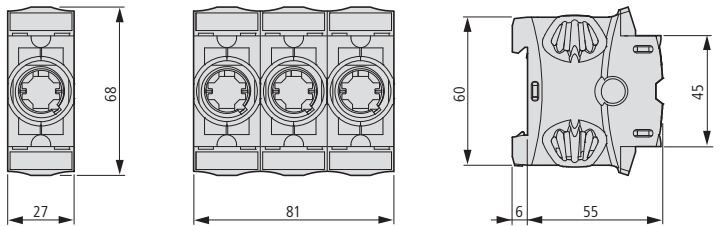
FAZ-XAA-NA...



Fuse bases

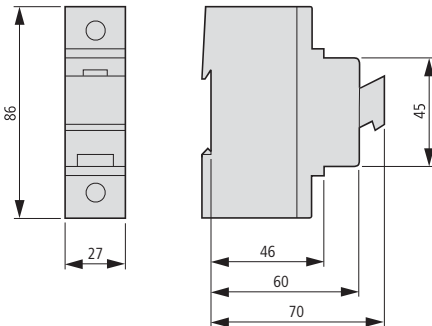
D01-S0/...

D02-S0/...



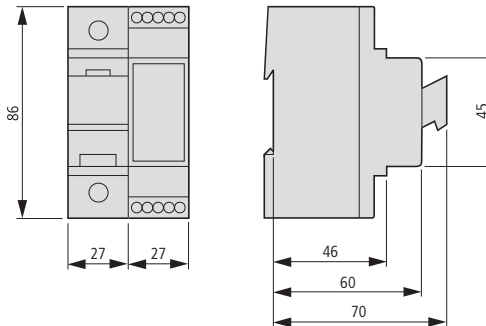
Fuse switch-disconnectors

Z-SLS/NEOZ/...



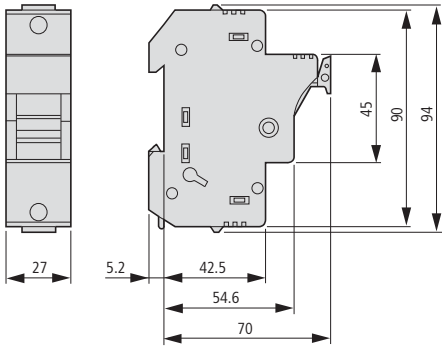
With fuse monitoring, empty

Z-SLK/NEOZ/...

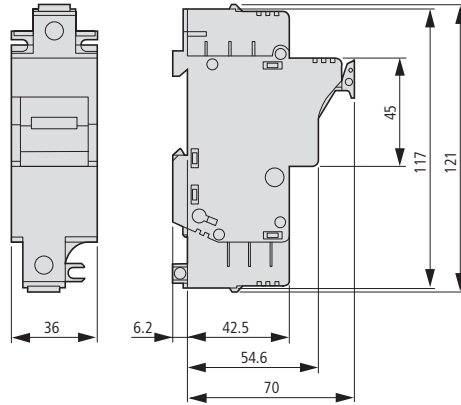


Fuse switch-disconnectors, empty

VLC14...

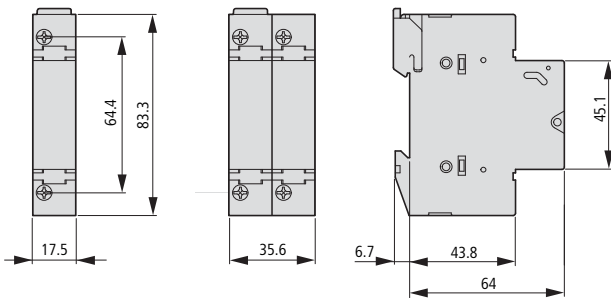


VLC22...



Fuse switch-disconnectors

C10-FD/20/...



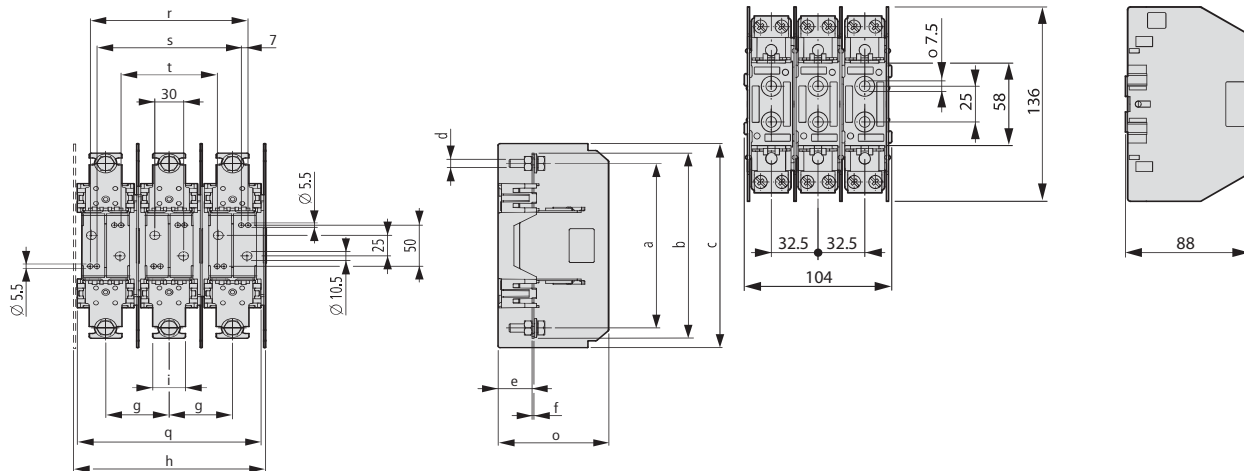
LV h.b.c. fuse bases

GSU1

GSU2

GSU3

GS00-160



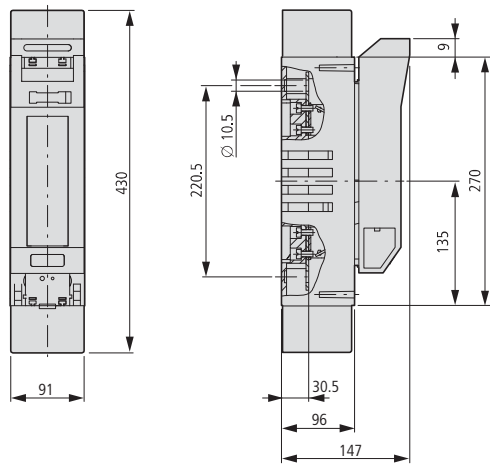
Part no.	a	b	c	d	e	f	g	h	l	o	q	r	s	t
GSU1	175	200	248	M10	35	2	66	200	34	107	191	164	150	100
GSU2	200	225	248	M10	35	2	66	200	34	115	191	164	150	100
GSU3	210	250	273	M10	35	3	84	254	40	132.5	245	200	186	136



LV h.b.c. fuse switch-disconnectors

1 pole

GSTA00-160-1P



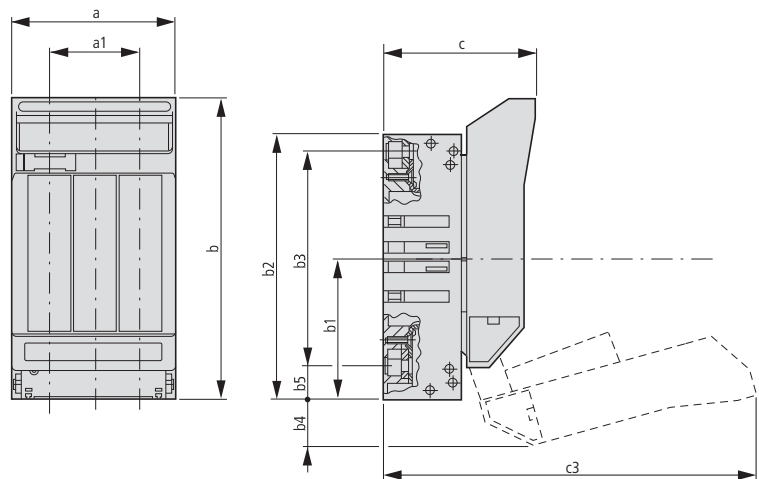
3 pole

GSTA00-160

GSTA1

GSTA2

GSTA3



Part no.	a	a1	b	b1	b2	b3	b4	b5	c	c3	d	e	f
GSTA00-160-1P	49	-	169	79	149	120	-	-	86.5	-	7	-	-
GSTA00-160	106	66	169	79	149	120	25	26	86.5	197	7	50	-
GSTA1	182	116	250	115	230	184	30	23	111	294	5.5	150	-
GSTA2	208	132	275	128	256	217	30	19.5	125	330.5	5.5	175	25
GSTA3	254	164	283	135	270	238	30	16	142	348	5.5	200	50

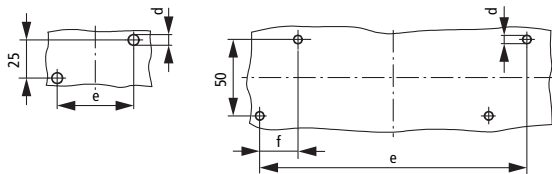
LV h.b.c. fuse switch-disconnectors, drilling dimensions

GSTA00-160

GSTA2

GSTA1

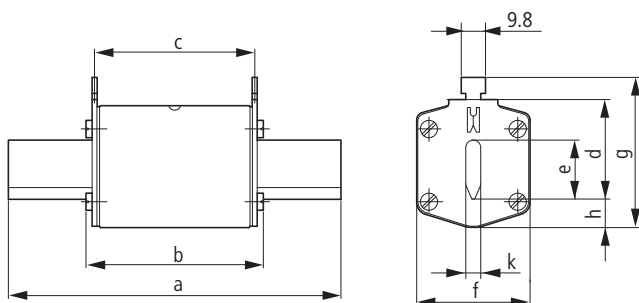
GSTA3



Part no.	a	a1	b	b1	b2	b3	b4	b5	c	c3	d	e	f
GSTA00-160-1P	49	-	169	79	149	120	25	-	86.5	197	7	-	-
GSTA00-160	106	66	169	79	149	120	25	26	86.5	197	7	50	-
GSTA1	182	116	250	115	230	184	30	23	111	294	5.5	150	-
GSTA2	208	132	275	128	256	217	30	19.5	125	330.5	5.5	175	25
GSTA3	254	164	283	135	270	238	30	16	142	348	5.5	200	50

LV h.b.c. fuse links

Z-NH...



Part no.		a	b	c	d	e	f	g	h	k
Z-NH-00/	Up to 100 A	79	53	47	35	15	21	52	7.5	6
	125-160 A	79	53	47	35	15	28	56	12	6
Z-NH-1/	Up to 160 A	135	68	65	40	15	28	61	12	6
	200-250 A	135	72	65	40	20	46	65	14	6
Z-NH-2/	to 250 A	150	72	65	48	20	46	73	14	6
	315-400 A	150	72	65	48	26	54	73	14	6
Z-NH-3/	to 400 A	150	72	65	60	26	54	84	14	6
	500-630 A	150	72	65	60	33	65	84	14	6

