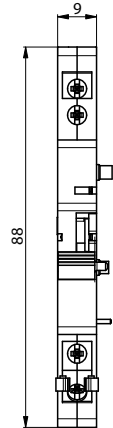
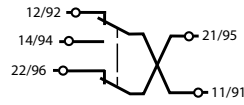


Technical data

Auxiliary signal switch PS/SS

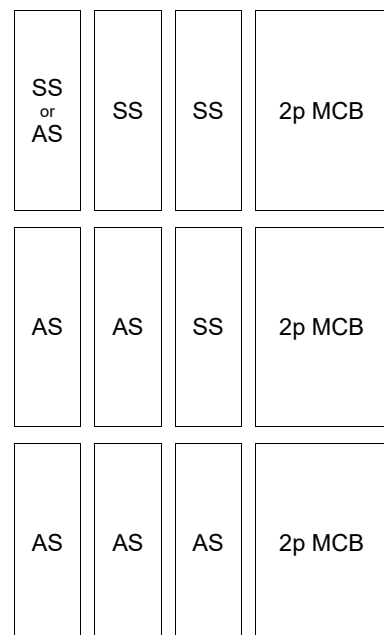
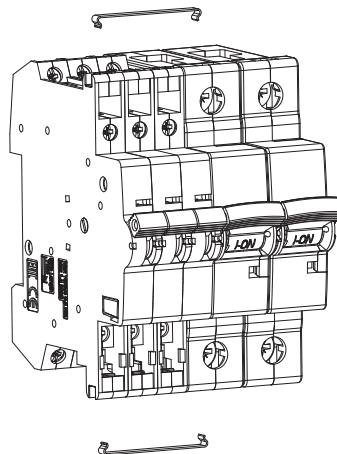
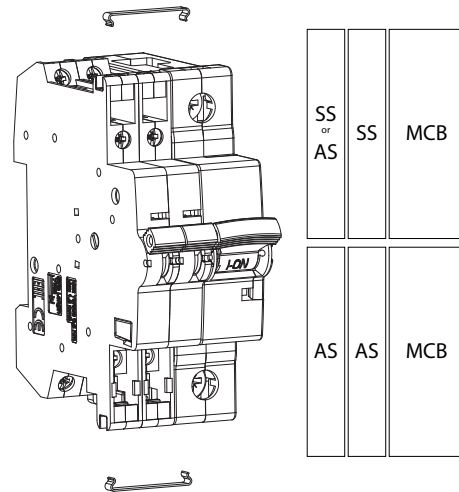
Technical data	
Function	Auxiliary or Signal Switch
Rated voltage	230V AC/DC, 110V DC
Rated current	6A (230V AC); 1A (110V DC); 0,5A (220V DC)
Rated frequency	50/60Hz, DC
Index of protection	IP 20 (IP 40)
Terminal capacity	1,5mm ²
Terminal Screw	M3 PH1
Terminal torque	max. 0,5Nm
Ambient temperature	-25°C ... +40°C
Storage temperature	-40°C ... +70°C
Contacts	1x NC, 1x NC/NO
Mounting position	any
Standards	EN 62019



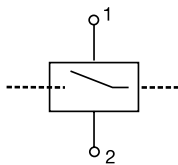
AUX switch connections	status of the breaker	
	ON	OFF
11-14 NO	1	0
11-12 NC	0	1
21-22 NC	0	1

Signal switch connections	status of the breaker		
	ON	manual trip	overcurrent trip
11-14 NO	1	1	0
11-12 NC	0	0	1
21-22 NC	0	0	1

NO - Normally open contact --> during the activation it makes a contact
 NC - Normally closed contact --> during the activation it brakes the contact
 1 - contact
 0 - without a contact



Shunt trip release DA ETIMAT



Note: Same dimensions as ETIMAT P10

Technical data	
Rated voltage	12-60V AC/DC, 110-250V AC/DC
Rated frequency	50/60Hz, DC
Max inrush current	3A
Index of protection	IP 20 (IP 40)
Terminals	1-25mm ² , min 1,4Nm / max 2,5Nm
Terminal screw	M5 (Pozidrive PZ2)
Ambient temperature	-40°C ... +70°C
Storage temperature	-60°C ... +70°C
Mounting on the rail	EN 60715
Mounting position	any
Sealing possibility	✓
Terminal cover	✓
Locking device	✓

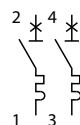
Miniature circuit breaker ETIMAT 10 80-125 A

Technical data		
Rated voltage	80-125 A	240/415V AC, 60V DC/pole
Rated current	80, 100, 125 A	
Tripping characteristics	B, C, D	
Rated frequency	50/60 Hz	
Rated insulation voltage	440V AC (80-125A)	
Rated impulse withstand voltage U _{imp}	4kV (80-125A)	
Rated short-circuit capacity:	Characteristic B, C	I _n =80, 100 A 20kA (EN 60947-2)
		I _n =125 A 15kA (EN 60947-2)
	Characteristic D	I _n =80 A 20kA (EN 60947-2)
		I _n =100 A 15kA (EN 60947-2)
Energy limiting class	3	
Terminals	80-125 A	2,5-50mm ² / 2,5-3,0 Nm
Build-in width	80-125 A	27mm/Pol
Terminal screw	M6 PZ2	
Mounting on the rail	EN 60715 (EN 50022)	
Mounting position	any	
Ambient temperature	max -30°C ... +50°C	
Storage temperature	max -50°C ... +70°C	
Mechanical durability (cycles)	80-125 A	min. 20000
Sealing possibility	ON / OFF	
Back-up fuse	max 200A gL	
Resistance to vibrations (IEC 60068-2-7)	5g (10,60 & 500Hz)	
Standards	EN 60898, EN 60947-2	

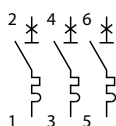
1P



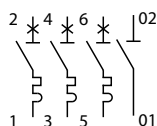
2P



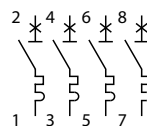
3P



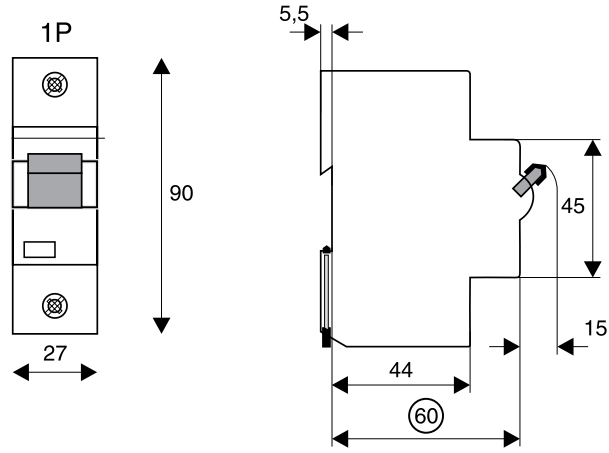
3P+N



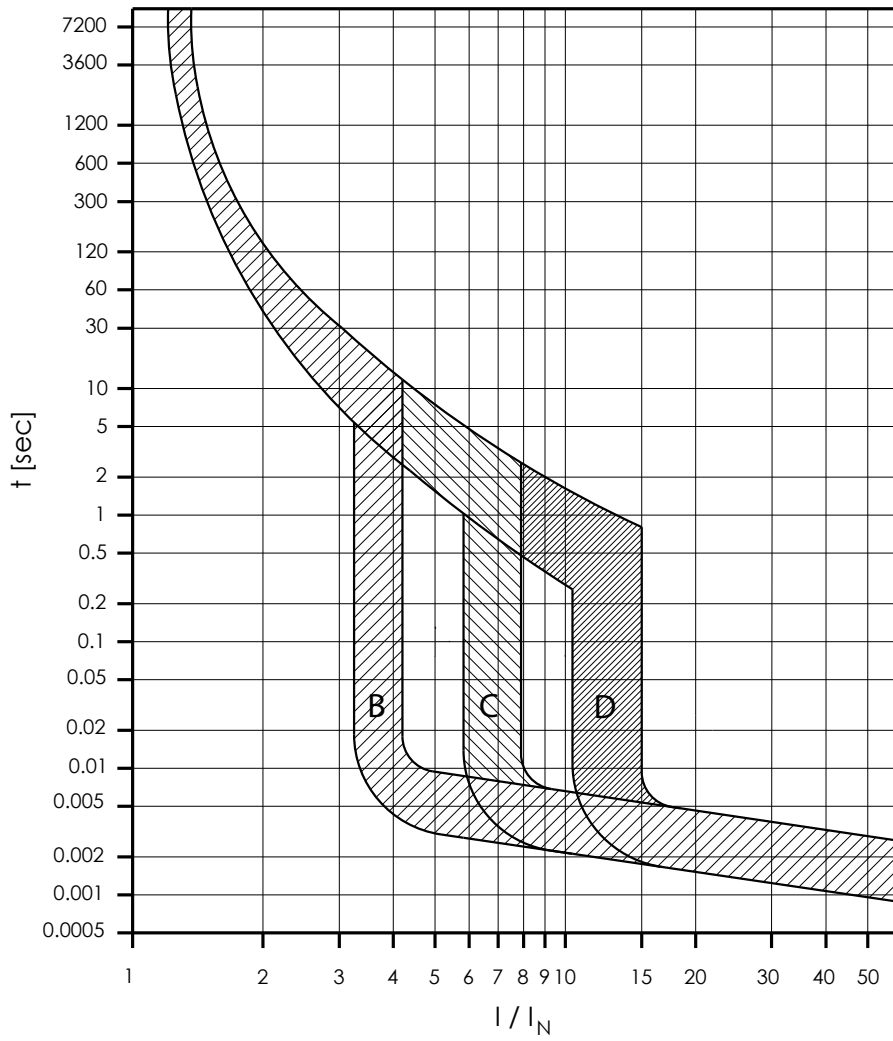
4P

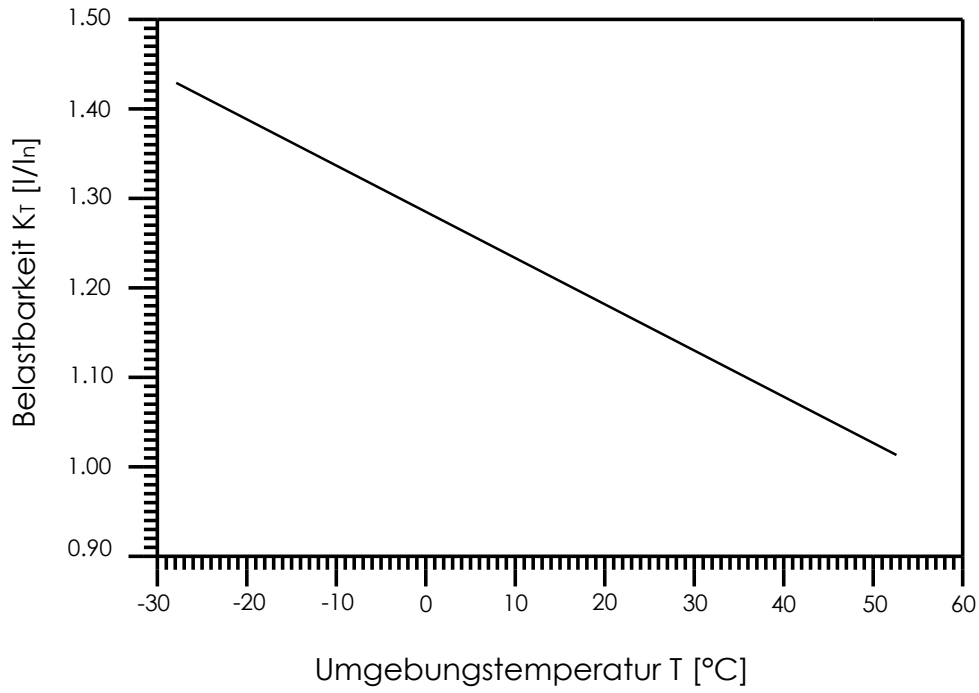


Technical data



ETIMAT 10, 80-125 A,





Zulässige Dauerbelastung IL bei Umgebungstemperatur T: $I_L(T) = I_n K_\tau(T)$

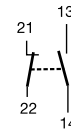
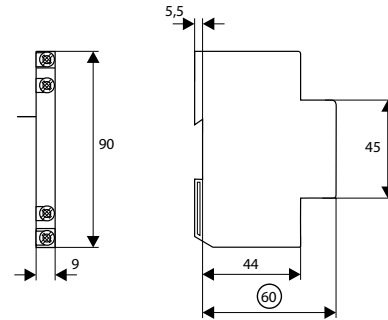
Resistance and power dissipation

characteristic	I_n [A]	R/pole [mΩ]	P/pole [w]
B, C, D	80	1,2	7,1
	100	0,9	9,1
	125	0,66	11,9

Technical data

Auxiliary switch PSM 80 - 125 A

Technical data	
Rated current	6 A / AC13 (250 V AC)
Rated thermal current I_{th}	8 A
Rated insulation voltage	440 V AC
Max. back-up fuse	6A
Contacts	1x a-contact, 1x b-contact
Utilization category AC-13	6 A/250 V AC
	2 A/440 V AC
Utilization category DC-13	4 A/600 V DC
	2 A/110 V DC
	0,5 A/230 V DC
Ambient temperature	max -5°C ... +40°C
Build-in width	9 mm/Pol
Mounting position	any
Mounting on the rail	EN 60715 (EN 50022)
Terminals	1x1mm ² ... 2x2,5mm ²
Standard	EN 60947-5-1



Shunt trip release DA ETIMAT 10 80 - 125A

Technical data	24V		230V	
	Responding limit	8 V AC / 11 V DC		70 V AC / 90 V DC
Operating voltage range	12 V...60 V AC / DC		110 V...415 V AC / 110 V...230 V DC	
Max. current consumption at the moment of switching on	18 A (24 V)		2 A (230 V)	
Duration of current flow at max consumption	4,5 ms (AC) / 2 ms (DC)		4,5 ms (AC) / 4 ms (DC)	
Minimum pulse duration	15 ms		10 ms	
Internal resistance	2,0 Ω		130 Ω	
Duty	100 %			
Tripping time	< 20 ms			
Peak withstand voltage	2 kV			
Service live operating cycles	> 4000			
Upper / lower terminals	lift / lift			
Conductor cross section	2,5 mm ² ... 50 mm ²			

