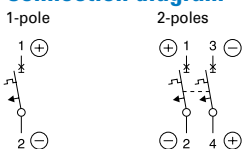


Technical Data

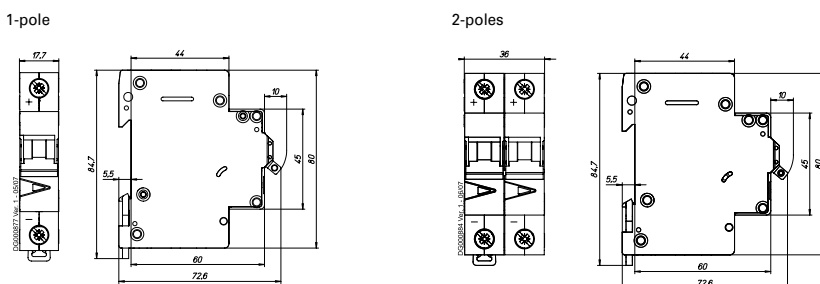
		FAZ-DC *)
Productstandard		IEC/EN 60947-2
Classified according to		IEC 61373, EN 45545-2
Current test marks as printed onto the device		
Number of poles		1, 2
Mechanical		
Device width		17.7 mm (1p), 36 mm (2p)
Frame size		45 mm
Device height		80 mm
Device depth		60 mm
Terminals		lift terminal
Terminal capacity rigid solid/stranded wire		1-25 mm ²
Terminal screw		M5 (with slotted screw acc. to EN ISO 4757-Z2, PZ2)
Fastening torque of terminal screws		max. 2.4 Nm
Snap on fixing		tristable (on DIN rail acc. to EN 50022)
Finger proof		acc. to VBG4, ÖVE EN-6
Degree of protection (DIN VDE 0470)		
Surface mounted		IP20
Built-in behind panel		IP40
Contact position indicator		red / green
Electrical		
Rated voltage DC	U_n	2 A Type: 220V (per pole) 3-50 A Typen: 250V (per pole)
Rated current	I_n	Type C: 2, 3, 4, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50 A
Rated insulation voltage	U_i	440 V AC
Rated impulse withstand voltage	U_{imp}	4 kV (1.2/50) µsec
Tripping characteristic		
Conventional non-tripping current	I_{nt}	$I_{nt} = 1,13 I_n$
Conventional tripping current	I_t	$I_t = 1,45 I_n$
Reference temperature		40 °C
Temperature factor		0.4%/K
Instantaneous tripping current	I_{mt}	Type B: $4 I_n < I_{mt} = 7 I_n$; $t(I_{mt}) < 0.1$ sec Type C: $7 I_n < I_{mt} = 15 I_n$; $t(I_{mt}) < 0.1$ sec
Rated short-circuit breaking capacity	I_{cn}	10 kA
Selectivity class		3
Number of electrical operations		> 4.000
Number of mechanical operations		> 20.000
Climatic conditions		acc. to IEC 68-2 (25..55°C / 90..95% RH)
Operating temperature range		-40°C up to +75°C

*) not for PV string protection!

Connection diagram

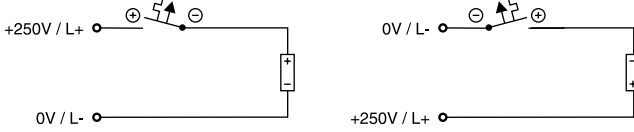


Dimensions (mm) FAZ-...-DC

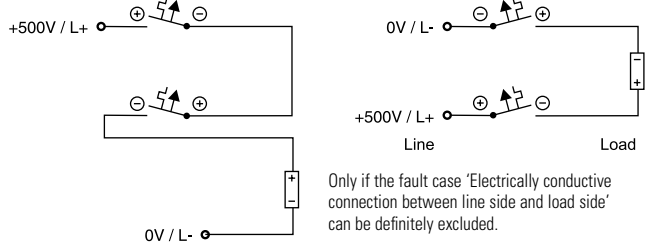


Connection examples FAZ-...-DC

Connection example at 250V=, 1-pole

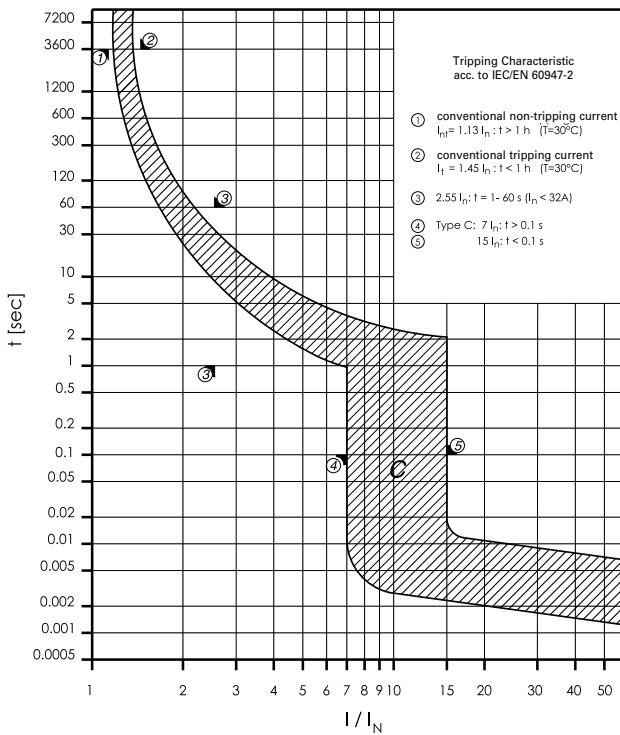


Connection example at 500V=, 2-poles



Tripping Characteristics FAZ-...-DC

Characteristics C - IEC/EN 60947-2



Maximum Let-Through Energy FAZ-...-DC

Type C

