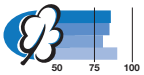
Fuseholder Type FPG1

front side,
fixing nut fastening
shocksafe category PC2
available in lead-free version

NEW

Fingergrip



- bayonet type fuse carrier, slotted or fingergrip
- solder-/quick-connect terminals 4,8 x 0,5 mm
- degree of protection IP40 or IP67 from frontside according to IEC 60529
- sealed from the rear
- suitable for equipment with protection classes I and II according to IEC 60536

Technical data

- Rated voltage: 250 V
- Rated current: 10 A
- Rated power acceptance at ambient air temperature T_a 23 °C: 2,5 W
- Power acceptance at higher T_a: see derating curves
  Take note of the information on pages 215–219
- Allowable ambient air temperatures T_a for accessible parts: –40 °C to +85 °C
- Torque/Fixing nut: max. 1,2 Nm

Additional technical data see page 140

Standards

IEC 60127-6
EN 60127-6
UL 512, CSA C22.2-39

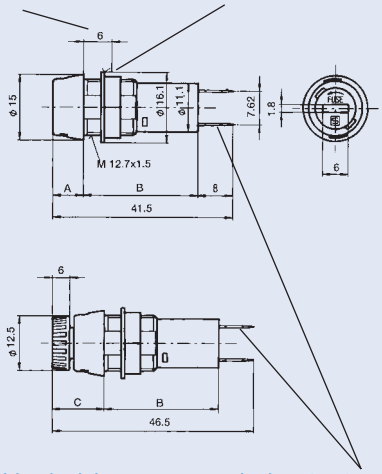
Approvals, Patents

SEV	(10 A/250 V)	UL	(16 A/250 V)
VDE	(10 A/250 V)	CSA	(16 A/250 V)
SEMKO	(10 A/250 V)		

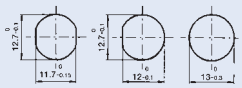
Patents in U.S. (No. 4,453,794/4,536,054) and in further countries

Panel thickness max.

Fixing nut, SW 14



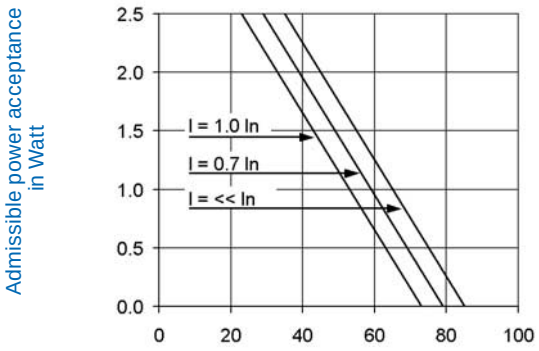
solder-/quick-connect terminals 4,8 x 0,5 mm, tin plated, for conductor cross-sections up to 2,5 mm²



Panel mounting holes

	A	B	C
IP40	7	26,5	12
IP67	7,6	25,9	12,6

Derating curve



Order No.		Fuse carrier	Degree of protection
3101.0010	Fuseholder complete, black	slotted	IP 40
3101.0015	Fuseholder complete, black	Fingergrip	IP 40
3101.0110	Fuseholder complete, black	slotted	IP 67
3101.0115	Fuseholder complete, black	Fingergrip	IP 67

• **New** .BF for lead-free version

Accessories see page 183

Additional technical data to fuseholders Types FPG1 to FPG6

Technical data

Contact resistance	5 mΩ
Dielectric strength (AC / 1 Min.)	> 3 kV between live parts of different potentials > 4 kV between metal mounting plate and live parts /
Impuls withstand voltage Û 1,2/50	> 7 kV between live parts of different potentials > 12 kV between metal mounting plate and live parts
Insulation resistance (500 V DC / 1Min.)	> $2x10^6$ MΩ between live parts of different potentials > $1x10^6$ MΩ between metal mounting plate and live parts
Overvoltage category	I to III
Pollution degree	1 to 3
Clearance and creepage distances	> 3 mm between live parts of different potentials > 8 mm between metal mounting plate and live parts (for appliances of protection class II)
Resistance to vibration	Frequency range 10–500 Hz, cross-over frequency 60 Hz < 60 Hz constant amplitude of 0,75 mm > 60 Hz constant acceleration of 10 g according to IEC 60068-2-6, test Fc
Climatic category	40/085/21 acc. to IEC/EN 60068-1
Terminals: Solderability	 Types FPG 1/2/3/6: 350 °C / 2 s according to IEC 60068-2-20, test Ta, method 2 Types FPG 4/5: 350 °C / 2 s according to IEC 60068-2-20, test Ta, method 1
Resistance to soldering heat	Types FPG 1/2/3/6: 350 °C / 10 s according to IEC 60068-2-20, test Tb, method 2 Types FPG 4/5: 350 °C / 5 s according to IEC 60068-2-20, test Tb, method 1B
Materials: Socket and cap	thermoplastic, flammability class UL 94V-0 (nut: UL 94V-1) Temp.-Index RTI > 140 °C (nut: 125 °C), Comparative Tracking-Index CTI > 175
Current conducting parts	copper alloy, protected against corrosion