PLT-SEC-T3-24-FM-UT - Type 3 surge protection device

2907916

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Type 3 surge protection, consisting of protective plug and base element, with integrated status indicator and remote signaling for single-phase power supply networks. Nominal voltage: 24 V AC/DC

Your advantages

- Surge protection family for universal use with optimum energy coordination from the lightning current arrester to the device protection
- Easy to maintain due to consistently pluggable protection modules
- Excellent level of information provided by mechanical/visual status indicator and remote indication contact
- Your preferred connection technology can be selected as both screw connection and Push-in connection are available
- Optimal additional protection of the industrial power supply for a longer service life and increased availability of the system

Commercial data

Item number	2907916
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	CL1
Product key	CL14A2
Catalog page	Page 82 (C-4-2019)
GTIN	4055626257419
Weight per piece (including packing)	94.49 g
Weight per piece (excluding packing)	81.16 g
Customs tariff number	85363030
Country of origin	DE

Technical data

Product properties

Product type	Device protection
Product family	SEC Family
IEC power supply system	TN-S
Type	DIN rail module, two-section, divisible
Number of positions	2
Surge protection fault message	Optical, remote indicator contact

Insulation characteristics

Overvoltage category	III
Pollution degree	2
IEC test classification	III
	T3
EN type	T3
Number of ports	One

Electrical properties

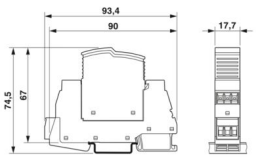
Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	Changeover contact
Operating voltage	250 V AC
	125 V DC (200 mA DC)
Operating current	0.5 A AC
	0.5 A DC (75 V DC)

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section rigid	0.2 mm² ... 4 mm²
Conductor cross section AWG	24 ... 12

Dimensions

Dimensional drawing	
Width	17.7 mm
Height	93.4 mm

Depth	74.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

Material specifications

Color (Male connector)	light grey (RAL 7035)
Color (Base element)	gray (RAL 7042)
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6-FR 20 % GF
	PA 6.6-FR
Housing material	PA 6.6-FR 20 % GF
	PA 6.6-FR

Protective circuit

Mode of protection	L-N
	L-PE
	N-PE
Direction of action	1L-N & N-PE
Nominal voltage U_N	24 V AC (TN-S)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	34 V AC
Rated load current I_L	26 A (at 30 °C)
Residual current I_{PE}	≤ 5 µA
Standby power consumption P_C	≤ 2.70 mVA (at U_{REF})
	≤ 4.80 mVA (at U_C)
Reference test voltage U_{REF}	27.00 V AC
Nominal discharge current I_n (8/20) µs	1 kA
Combination wave U_{OC}	2 kV
Voltage protection level U_p (L-N)	≤ 0.2 kV
Voltage protection level U_p (L-PE)	≤ 0.6 kV
Voltage protection level U_p (N-PE)	≤ 0.6 kV
TOV behavior at U_T (L-N)	50 V AC (120 min / withstand mode)
TOV behavior at U_T (L-PE)	50 V AC (120 min / withstand mode)
Response time t_A (L-N)	≤ 25 ns
Response time t_A (L-PE)	≤ 100 ns
Response time t_A (N-PE)	≤ 100 ns
Short-circuit current rating I_{SCCR}	10 kA AC
Max. backup fuse with branch wiring	32 A (gG / B / C)

Additional technical data

Short-circuit current rating I_{SCCR}	0.25 kA DC (Without additional backup fuse in the DC branch wiring)
	5 kA DC (for 20 A gG / B backup fuse)
Maximum discharge current I_{max} (8/20) µs	4 kA
Nominal discharge current I_n (8/20) µs	3 kA