

Compact SPD
ProLed 275 (3+1) 16 A
 Class III • Type 3



Location of Use: Sub-distribution Boards
 Network Systems: TN-S
 Mode of Protection: L-N,N-PE
 Surge Ratings: $U_{oc}/I_{cw} = 6\text{ kV}/3\text{ kA}$
 IEC/EN Category: Class III / Type 3
 Protective Elements: MOV and GDT
 Housing: Compact Design
 Compliance: IEC 61643-11:2011
 EN 61643-11:2012

Technical Data

ProLed 275 (3+1) 16 A

275

Electrical

Nominal AC Voltage (50/60 Hz)	U_o	230 V
Maximum Continuous Operating Voltage (AC)	U_c	275 V
Maximum Rated Load Current	I_L	16 A
Open Circuit Voltage of the Combination Wave Generator (1.2/50 μ s)	U_{oc}	6 kV
Short-Circuit Current of the Combination Wave Generator (8/20 μ s)	I_{cw}	3 kA
Voltage Protection Level	(L-N) U_p	1.2 kV
	(N-PE) U_p	1.8 kV
Response Time	(L-N)/(N-PE) t_A	< 25 ns / < 100 ns
Back-Up Fuse (if mains > 16 A)		MCB/B 16 A
Short-Circuit Current Rating (50 Hz)	I_{SCCR}	1.5 kA
TOV Withstand 5s	U_T	337 V
Number of Ports		2

Mechanical & Environmental

Temperature Range	T_a	-40 °C to +85 °C
Permissible Humidity	RH	5%...95%
Conductor Cross Section		2.5 mm ² (stranded)
Mounting		35 mm DIN Rail, EN 60715
Degree of Protection		IP 20
Housing Material		Thermoplastic: Extinguishing Degree UL 94 V-0
Thermal Protection		Yes
Operation Status Fault Indication		Green / Red LED
Remote Contacts (RC)		Yes
RC Switching Capacity		10 A/230 V AC
RC Terminal Cross Section (max)		2.5 mm ²
RC Terminal Screw Torque		0.5 Nm

Order Information

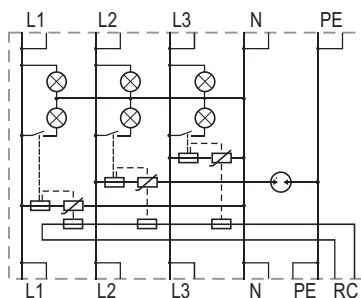
Order Code		275
ProLed 275 (3+1) 16 A		130 304

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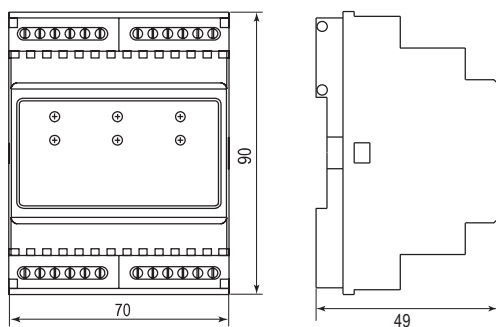
Internal Configuration

Legend

- L Line
- N Neutral
- PE Protective Earth
- RC Remote Contacts



Dimensions & Packaging [mm]



Dimensions & Packaging

ProLed 275 (3+1) 16A	275
Single Unit Weight	164 g
Single Unit DIN 43880 Dimension	4 TE
Packaging Dimensions (H x W x L)	109 x 77 x 80 mm
Minimum Order Quantity	3 Units

Applicable connection configurations can be found on page 193.