

DATA SHEET

Pluggable Multi-pole SPD

ProTec CM(R) 80 (2+0)

Class II • Type 2



Location of Use: Sub-distribution Boards
 Network Systems: TN-S
 Mode of Protection: L-PE, N-PE
 IEC/EN Category: Class II / Type 2
 Housing: Modular Design
 Compliance: IEC 61643-11:2011
 EN 61643-11:2012

Technical Data**ProTec CM(R) 80/xxx (2+0)****275****320****Electrical**

Nominal AC Voltage (50/60 Hz)	U_o	230V	230V
Maximum Continuous Operating Voltage (AC)	U_c	275V	320V
Nominal Discharge Current (8/20 μ s)	I_n	15 kA	15 kA
Maximum Discharge Current (8/20 μ s)	I_{max}	40 kA	40 kA
Voltage Protection Level	U_p	< 1.5 kV	< 1.5 kV
Response Time	t_A		< 25 ns
Overcurrent Protection (max)			63 A gG
Short-Circuit Current Rating	I_{SCCR}	25 kA	
TOV Withstand 5s	U_T	335V	
Number of Ports			1

Mechanical & Environmental

Temperature Range	T_a	-40 °C to +85 °C	
Permissible Humidity	RH	5%...95%	
Terminal Screw Torque	(L, N) M_{max}	0.5 Nm	
	(PE) M_{max}	3.0 Nm	
Conductor Cross Section	(L, N)	6 mm ² (solid) / 4 mm ² (stranded)	
	(PE)	35 mm ² (solid) / 25 mm ² (stranded)	
Mounting		35 mm DIN Rail, EN 60715	
Degree of Protection		IP 20 (built-in)	
Housing Material		Thermoplastic: Extinguishing Degree UL 94 V-0	
Thermal Protection		Yes	
Fault Indication		Red Flag	
Remote Contacts (RC)		Optional	
RC Switching Capacity		AC: 250V/0.5A; 125V/3A	
RC Terminal Cross Section (max)		1.5 mm ²	
RC Terminal Screw Torque		0.25 Nm	

Order Information

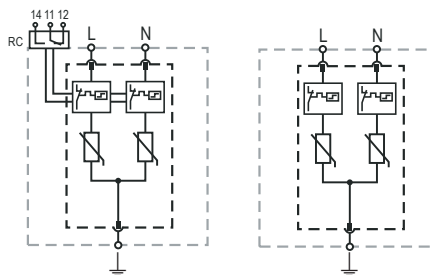
Order Code	275	320
ProTec CM 80/xxx (2+0)	508.315	508.316
ProTec CMR 80/xxx (2+0) (with remote contacts)	508.320	508.321
Plug ProTec CM(R) 80/xxx (2+0)	508.325	508.326

ProTec CM(R) 80 (2+0)

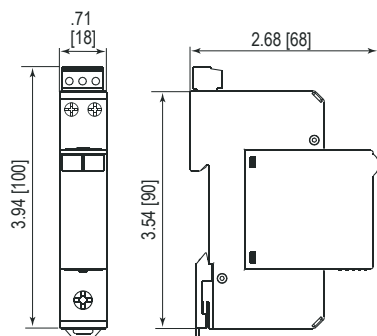
Internal Configuration

Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⏚ PE Conductor Terminal
- RC Remote Contacts Terminal (Optional)



Complete Unit

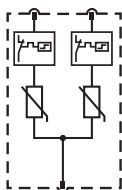


Complete Unit Dimensions & Packaging

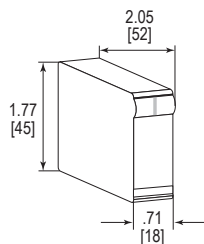
		275	320
ProTec CM 80/xxx (2+0)			
Weight	pounds (grams)	0.317 [144]	0.317 [144]
ProTec CMR 80/xxx (2+0)			
Weight	pounds (grams)	0.328 [149]	0.328 [149]
DIN 43880 Dimension		1 TE / .71" [18 mm]	
Packaging Dimensions (HxWxL)		3.1 x 4.4 x 11.7" [79 x 112 x 298 mm]	
Standard Order Quantity		12 Units	

Plug Internal Configuration

Module ProTec CM(R) 80/xxx (2+0)



Spare Plug



Single Unit Dimensions & Packaging

		275	320
Plug ProTec CM(R) 80/xxx (2+0)			
Weight	pounds (grams)	0.14 [63]	0.17 [79]
DIN 43880 Dimension		1 TE / .71" [18 mm]	
Packaging Dimensions (HxWxL)		3.86 x 3.03 x 4.33" [98 x 77 x 110 mm]	
Minimum Order Quantity		12 Units	

inches
[mm]

Information contained in this document is subject to change at any time without notice.

