DMP-012-V/1-FR1

SPD - for data, signalling and telecommunications lines / I&C / Supply (DP and DMP) - with signalling line

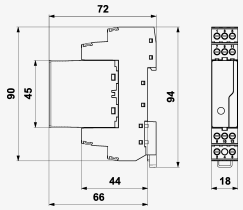
Combination of surge protections for signal and supply lines

pluggable module, coupling impedance (R – resistance) in part of data, line separated from protective earth via GDT

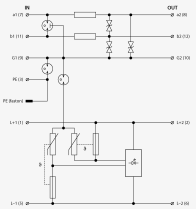
- combination of two-stage surge protection of 2-core signalling line in data part and surge protection for ELV in supply part
- installation close to protected equipment
- for protection of interfaces of I&C, electronic security and fire detection systems, etc., mainly for measuring circuits and sensors where signal and supply are transmited in one cable, against surge voltage



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Cross-section of connected conductors solid (min)	0.14 mm^2
Cross-section of connected conductors solid (max)	4.00 mm^2
Cross-section of connected conductors stranded (min)	0.14 mm^2
Cross-section of connected conductors stranded (max)	2.50 mm^2
Fault indication	red indicator
Degree of protection	IP 20
Range of ambient temperatures (min/max)	-40 / 70 °C
Humidity	5 - 95 %
According to standard	EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012
ETIM Class	EC001473

Plug module		DMP-012-V/1-0
Nominal voltage	U_n	12.00 V AC
Maximum operating voltage	U_c	11.00 V AC
Maximum operating voltage	U_c	16.00 V DC
Nominal load current	I_L	16.000 A
Maximum overcurrent protection		16 A gL/gG nebo B 16 A
C2 nominal discharge current (8/20 µs) core-core	I_n	2.00 kA
Test voltage L+ - L-		4.0 kV
Test voltage L+(L-)-PE		4.0 kV
Test voltage M-PE		4.0 kV
voltage protection level L+ - L-		0.18 kV
voltage protection level L+(L-)-PE		0.95 kV
voltage protection level M-PE		0.75 kV
C2 voltage protection level mode M-PE at In		750.00 V
C2 voltage protection level mode core-PE at In	U_p	950.00 V
C2 voltage protection level mode core-core at In	U_p	180.00 V
Response time L+ - L-		25 ns
Response time L+(L-)-PE		100 ns
Response time M-PE		100 ns
Nominal voltage	U_n	12.00 V DC
Maximum operating voltage	U_c	11.00 V AC
Maximum operating voltage	U_c	16.00 V DC
Nominal load current	I_L	1.000 A
Treshold frequency core-core	f	2.00 MHz
Serial resistance per core	R	0.80 Ω
C2 nominal discharge current (8/20 µs) GND-PE		10.00 kA
C2 nominal discharge current (8/20 µs) per core	I_n	10.00 kA
C2 total discharge current (8/20 µs) cores-PE	I_{Total}	20.00 kA
C3 nominal discharge current (10/1000 µs) GND-PE		10.00 A
C3 nominal discharge current (10/1000 µs) core-PE		10.00 A
C3 nominal discharge current (10/1000 µs) core-core	I_n	10.00 A

C3 voltage protection level mode GND-PE at 1 kV/µs		**550.00 V**
C3 voltage protection level mode core-GND at 1 kV/µs		**22.00 V**
C3 voltage protection level mode core-core at 1 kV/µs	U_p	**22.00 V**
Response time core-core	t_a	**1 ns**
Response time core-GND		**1 ns**
Response time GND-PE		**100 ns**
Customs tariff number		**85363010**
EAN		**8595090557982**
Order number		**A05798**