

# DMP-012-V/1-FR1

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

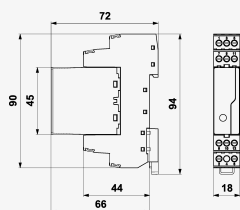
Combination of surge protections for signal and supply lines

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

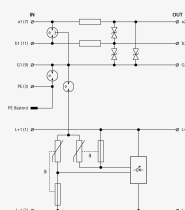
- combination of two-stage surge protection of 2-core signalling line in data part and surge protection for ELV in supply part
- installation close to protected equipment
- for protection of interfaces of I&C, electronic security and fire detection systems, etc., mainly for measuring circuits and sensors where signal and supply are transmitted 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 <sup>2</sup>
Cross-section of connected conductors solid (max)	4.00 mm <sup>2</sup>
Cross-section of connected conductors stranded (min)	0.14 mm <sup>2</sup>
Cross-section of connected conductors stranded (max)	2.50 mm <sup>2</sup>
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		<b>DMP-012-V/1-0</b>
Nominal voltage	$U_n$	<b>12.00 V AC</b>
Maximum operating voltage	$U_c$	<b>11.00 V AC</b>
Maximum operating voltage	$U_c$	<b>16.00 V DC</b>
Nominal load current	$I_L$	<b>16.000 A</b>
Maximum overcurrent protection		<b>16 A gL/gG nebo B 16 A</b>
C2 nominal discharge current (8/20 $\mu$ s) core-core	$I_n$	<b>2.00 kA</b>
Test voltage L+ - L-		<b>4.0 kV</b>
Test voltage L+(L-)-PE		<b>4.0 kV</b>
Test voltage M-PE		<b>4.0 kV</b>
voltage protection level L+ - L-		<b>0.18 kV</b>
voltage protection level L+(L-)-PE		<b>0.95 kV</b>
voltage protection level M-PE		<b>0.75 kV</b>
C2 voltage protection level mode M-PE at $I_n$		<b>750.00 V</b>
C2 voltage protection level mode core-PE at $I_n$	$U_p$	<b>950.00 V</b>
C2 voltage protection level mode core-core at $I_n$	$U_p$	<b>180.00 V</b>
Response time L+ - L-		<b>25 ns</b>
Response time L+(L-)-PE		<b>100 ns</b>
Response time M-PE		<b>100 ns</b>
Nominal voltage	$U_n$	<b>12.00 V DC</b>
Maximum operating voltage	$U_c$	<b>11.00 V AC</b>
Maximum operating voltage	$U_c$	<b>16.00 V DC</b>
Nominal load current	$I_L$	<b>1.000 A</b>
Threshold frequency core-core	$f$	<b>2.00 MHz</b>
Serial resistance per core	$R$	<b>0.80 <math>\Omega</math></b>
C2 nominal discharge current (8/20 $\mu$ s) GND-PE		<b>10.00 kA</b>
C2 nominal discharge current (8/20 $\mu$ s) per core	$I_n$	<b>10.00 kA</b>
C2 total discharge current (8/20 $\mu$ s) cores-PE	$I_{Total}$	<b>20.00 kA</b>
C3 nominal discharge current (10/1000 $\mu$ s) GND-PE		<b>10.00 A</b>
C3 nominal discharge current (10/1000 $\mu$ s) core-PE		<b>10.00 A</b>
C3 nominal discharge current (10/1000 $\mu$ s) core-core	$I_n$	<b>10.00 A</b>

C3 voltage protection level mode GND-PE at 1 kV/ $\mu$ s		<b>550.00 V</b>
C3 voltage protection level mode core-GND at 1 kV/ $\mu$ s		<b>22.00 V</b>
C3 voltage protection level mode core-core at 1 kV/ $\mu$ s	<b>U<sub>p</sub></b>	<b>22.00 V</b>
Response time core-core	<b>t<sub>a</sub></b>	<b>1 ns</b>
Response time core-GND		<b>1 ns</b>
Response time GND-PE		<b>100 ns</b>
Customs tariff number		<b>85363010</b>
EAN		<b>8595090557982</b>
Order number		<b>A05798</b>

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