

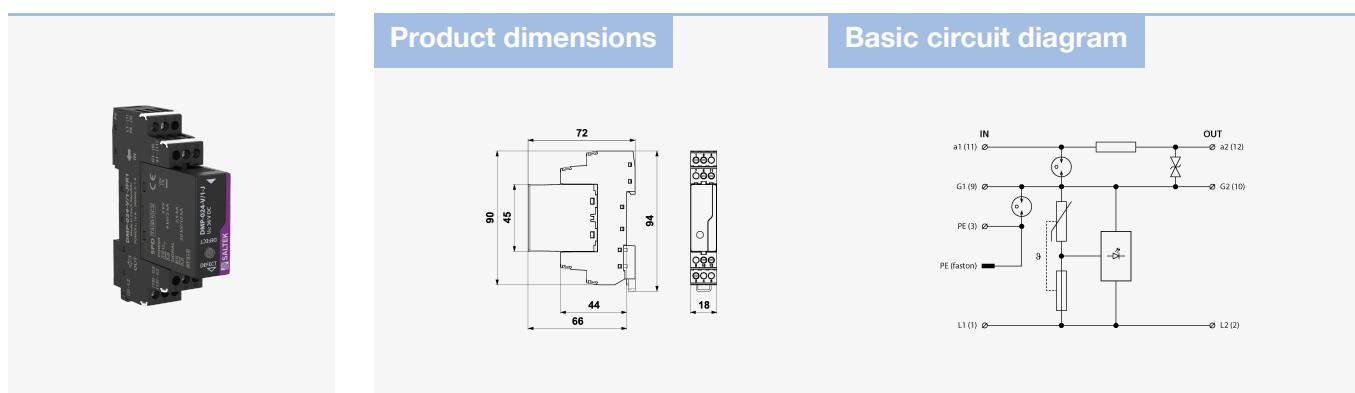
# DMP-024-V/1-JFR1

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

Surge protection for 3-core line (combination of signal and supply lines)

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

- surge protection of 3-core line comprehend signal transmission and supply
- 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
- single common wire for power supply and signal transmission



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	DMP-024-V/1-J-0	
Nominal voltage	$U_n$	24 V AC
Maximum operating voltage	$U_c$	25.00 V AC
Maximum operating voltage	$U_c$	36.00 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-)-PE		4.0 kV
Test voltage M-PE		4.0 kV
voltage protection level L+(L-)-PE		0.75 kV
voltage protection level M-PE		0.75 kV
C2 voltage protection level mode M-PE at $I_n$		750.00 V
C2 voltage protection level mode core-PE at $I_n$	$U_p$	750 V
Response time L+(L-)-PE		100 ns
Response time M-PE		100 ns
Nominal voltage	$U_n$	24 V DC
Maximum operating voltage	$U_c$	25.00 V AC
Maximum operating voltage	$U_c$	36.00 V DC
Nominal load current	$I_L$	1.000 A
Threshold frequency core-core		4.00 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) core-PE	$I_n$	10.00 kA
C2 nominal discharge current (8/20 µs) per core	$I_n$	10.00 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 voltage protection level mode GND-PE at 1 kV/µs		550.00 V
C3 voltage protection level mode core-GND at 1 kV/µs		46.00 V
Response time core-GND		1 ns
Response time GND-PE		100 ns

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