DMP-024-V/1-JFR1

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

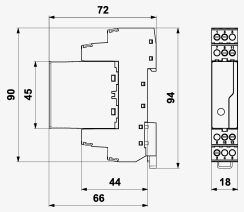
Surge protection for 3-core line (combination of signal and supply lines)

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

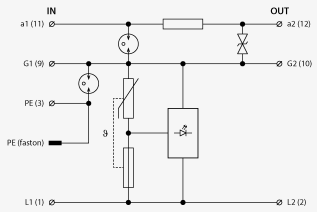
- surge protection of 3-core line comprehend signal transmission and supply
- installation close to protected equipment
- for protection of interfaces of I&C, electronic security and fire detection systems, etc., mainly for measuring circuits and sensors where signal and supply are transmited in one cable, against surge voltage
- single common wire for power supply and signal transmission



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-024-V/1-J-0
Nominal voltage	U_n	24.00 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 In		750.00 V
C2 voltage protection level mode core-PE at In	U_p	750.00 V
Response time L+(L-)-PE		100 ns
Response time M-PE		100 ns
Nominal voltage	U_n	24.00 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
Treshold 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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