

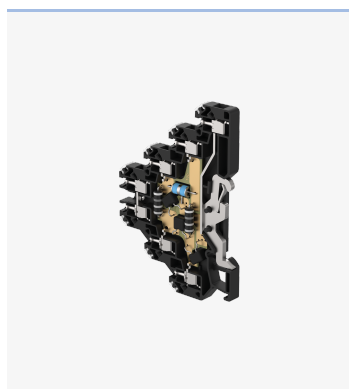
# DMLF-024/1-RS

## SPD - for data, signalling and telecommunications lines / I&C / Specials - RFI filter

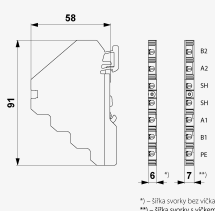
Surge protection for low-frequency 2-core signalling networks

coupling impedance (inductance), screw terminals

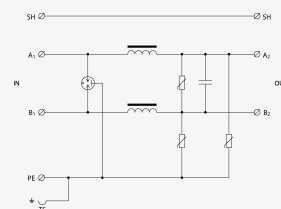
- coarse and fine surge protection for low-frequency 2-core signalling networks
- installation close to protected equipment
- for protection of analogue measuring lines in the areas with RF disturbance
- coarse and fine surge protection in differential mode (core – core) and common mode (core – PE)



### Product dimensions



### Basic circuit diagram



Parameter name	Parameter value
Type of SPD	<b>C2</b>
Location of SPD	<b>ST 2</b>
Mounting	<b>DIN rail 35 mm</b>
Nominal voltage	$U_n$ <b>24 V DC</b>
Maximum operating voltage	$U_c$ <b>31.00 V DC</b>
Nominal load current	$I_L$ <b>0.100 A</b>
Treshold frequency core-core	$f$ <b>0.07 MHz</b>
D1 impulse discharge current (10/350 $\mu$ s) per core	$I_{imp}$ <b>0.50 kA</b>
D1 total discharge current (10/350 $\mu$ s) cores-PE	$I_{Total}$ <b>1.00 kA</b>
C2 nominal discharge current (8/20 $\mu$ s) per core	$I_n$ <b>5.00 kA</b>
C2 total discharge current (8/20 $\mu$ s) cores-PE	$I_{Total}$ <b>10.00 kA</b>
C2 voltage protection level mode core-PE at $I_n$	$U_p$ <b>80 V</b>

C2 voltage protection level mode core-core at In	$U_p$	65 V
C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s	$U_p$	55 V
C3 voltage protection level mode core-core at 1 kV/ $\mu$ s	$U_p$	55 V
Response time core-core	$t_a$	25 ns
Response time core-PE	$t_a$	25 ns
Connection (input - output)		terminals-terminals
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>
Degree of protection		IP 20
Range of ambient temperatures (min/max)		-40 / 70 °C
According to standard		EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012
ETIM Class		EC001625
Customs tariff number		85363010
EAN		8595090553335
Order number		A05333