

# DM-024/1 4R DJ

## SPD - for data, signalling and telecommunications lines / I&C / ST2+3 (DM) - compact

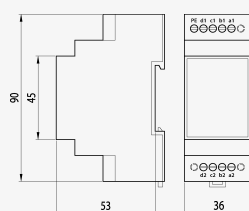
Surge protection for 4-core signalling lines

coupling impedance (R – resistance)

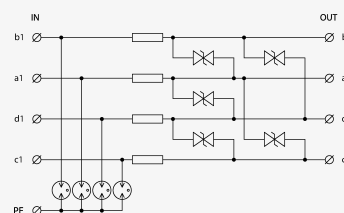
- coarse and fine surge protection for 4-core signalling lines
- installation close to protected equipment
- for protection of communication interfaces of I&C, electronic security and fire detection systems, etc. (mainly for RS-485 interfaces) against impact of surge voltage
- coarse and fine surge protection in differential mode (core – core) and coarse protection in common mode (core – PE)



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	<b>C2,C3</b>
Location of SPD	<b>ST 2+3</b>
Mounting	<b>DIN rail 35 mm</b>
Nominal voltage	<b><math>U_n</math> 24 V DC</b>
Maximum operating voltage	<b><math>U_c</math> 20.60 V AC</b>
Maximum operating voltage	<b><math>U_c</math> 29.10 V DC</b>
Nominal load current	<b><math>I_L</math> 0.060 A</b>
Threshold frequency core-core	<b><math>f</math> 3.40 MHz</b>
Serial resistance per core	<b><math>R</math> 6.80 <math>\Omega</math></b>
C2 nominal discharge current (8/20 $\mu$ s) per core	<b><math>I_n</math> 10.00 kA</b>
C2 voltage protection level mode core-PE at $I_n$	<b><math>U_p</math> 350 V</b>

C2 voltage protection level mode core-core at In	$U_p$	50 V
C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s	$U_p$	650 V
C3 voltage protection level mode core-core at 1 kV/ $\mu$ s	$U_p$	40 V
Response time core-core	$t_a$	1 ns
Response time core-PE	$t_a$	100 ns
Connection (input - output)		terminals-terminals
Cross-section of connected conductors solid (max)		4.00 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 / 80 °C
According to standard		EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012
ETIM Class		EC001625
Customs tariff number		85363010
EAN		8595090513575
Order number		A01357