DM-006/1 3L DJ

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

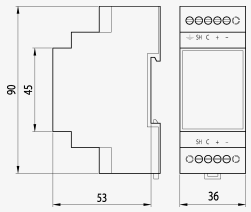
Surge protection for 3-core signalling lines

coupling impedance (L – inductance)

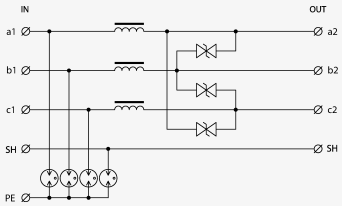
- coarse and fine surge protection for 3-core signalling lines
- installation close to protected equipment
- for protection of communication interfaces of I&C, electronic security and fire detection systems, etc. (mainly for RS-485 interfaces) against impact of surge voltage
- coarse and fine surge protection 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		C2,C3
Location of SPD		ST 2+3
Mounting		DIN rail 35 mm
Nominal voltage	U_n	6.00 V DC
Maximum operating voltage	U_c	5.70 V AC
Maximum operating voltage	U_c	8.10 V DC
Nominal load current	I_L	0.370 A
Treshold frequency core-core	f	0.16 MHz
Serial inductance per core	L	100.00 uH
C2 nominal discharge current (8/20 µs) per core	I_n	10.00 kA
C2 voltage protection level mode core-PE at In	U_p	350.00 V

C2 voltage protection level mode core-core at In	U_p	25.00 V
C3 voltage protection level mode core-PE at 1 kV/µs	U_p	650.00 V
C3 voltage protection level mode core-core at 1 kV/µs	U_p	12.00 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^2
Cross-section of connected conductors stranded (max)		2.50 mm^2
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		85363030
EAN		8595090514022
Order number		A01402