

# DM-006/1-RS

Ordering number A05140

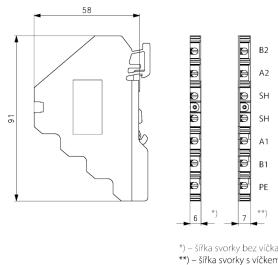
Combination of coarse and fine surge protection for telecommunication and signalling networks in terminal block

coupling impedance (resistance), screw terminals

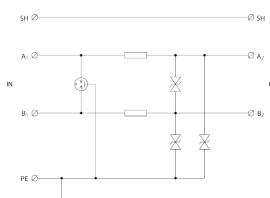
coarse and fine surge protection for 2-core signalling networks, installation close to protected equipment, for protection of communication interfaces, mainly the RS-485 lines, of I&C, electronic security and fire detection systems, etc. against impact of surge voltage, coarse and fine surge protection in differential mode (core - core) and common mode (core - PE)



## Dimension drawing



## Basic circuit diagram



## Technical specifications

Type of SPD	D1,C2,C3
Connection (input - output)	terminals-terminals
Location of SPD	ST 2+3
Nominal voltage	U <sub>n</sub> 6 V DC
Maximum operating voltage	U <sub>c</sub> 6,00 V AC
Maximum operating voltage	U <sub>c</sub> 8,50 V DC
Nominal load current	I <sub>L</sub> 0,500 A
C2 nominal discharge current (8/20 µs) per core	I <sub>n</sub> 5,00 kA
C2 total discharge current (8/20 µs) cores-PE	I <sub>Total</sub> 10,00 kA
D1 impulse discharge current (10/350 µs) core-core	I <sub>imp</sub> 0,50 kA
D1 total discharge current (10/350 µs) cores-PE	I <sub>Total</sub> 1,00 kA
C2 voltage protection level mode core-core at In	U <sub>p</sub> 18 V
C2 voltage protection level mode core-PE at In	U <sub>p</sub> 30 V
C3 voltage protection level mode core-core at 1 kV/µs	U <sub>p</sub> 12 V
C3 voltage protection level mode core-PE at 1 kV/µs	U <sub>p</sub> 15 V
Response time core-core	t <sub>a</sub> 1 ns
Response time core-PE	t <sub>a</sub> 1 ns
Serial resistance per core	R 1,60 Ω
Threshold frequency core-core	f 1,00 MHz
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	-40 °C
Range of ambient temperatures - max	70 °C
Mounting	DIN rail 35 mm
According to standard	EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012
ETIM Class	EC001625