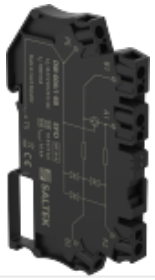
DM-006/1-RB

Ordering number A06057

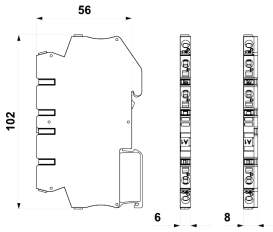
Combination of coarse and fine surge protection for telecommunication and signalling networks in terminal block

coupling impedance (resistance), screwless terminals

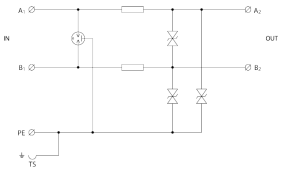
coarse and fine surge protection for 2-core signalling networks, installation close to protected equipment, for protection of communication interfaces, mainly the RS-485 lines, of I&C, electronic security and fire detection systems, etc. against impact of surge voltage, coarse and fine surge protection 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)		screwless terminals/screwless terminals
Location of SPD		ST 2+3
Nominal voltage	U_n	6 V DC
Maximum operating voltage	U_c	6,00 V AC
Maximum operating voltage	U_c	8,50 V DC
Nominal load current	I_L	0,500 A
C2 nominal discharge current (8/20 µs) per core	I_n	5,00 kA
C2 total discharge current (8/20 µs) cores-PE	I_{Total}	10,00 kA
D1 impulse discharge current (10/350 µs) core-core	I_{imp}	0,50 kA
D1 total discharge current (10/350 µs) cores-PE	I_{Total}	1,00 kA
C2 voltage protection level mode core-core at In	U_p	18 V
C2 voltage protection level mode core-PE at In	U_p	30 V
C3 voltage protection level mode core-core at 1 kV/µs	U_p	12 V
C3 voltage protection level mode core-PE at 1 kV/µs	U_p	15 V
Response time core-core	t_a	1 ns
Response time core-PE	t_a	1 ns
Serial resistance per core	R	1,60 Ω
Treshold frequency core-core	f	1,00 MHz
Cross-section of connected conductors solid (min)		0,08 mm^2
Cross-section of connected conductors solid (max)		4,00 mm^2
Cross-section of connected conductors stranded (min)		0,08 mm^2
Cross-section of connected conductors stranded (max)		2,50 mm^2
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