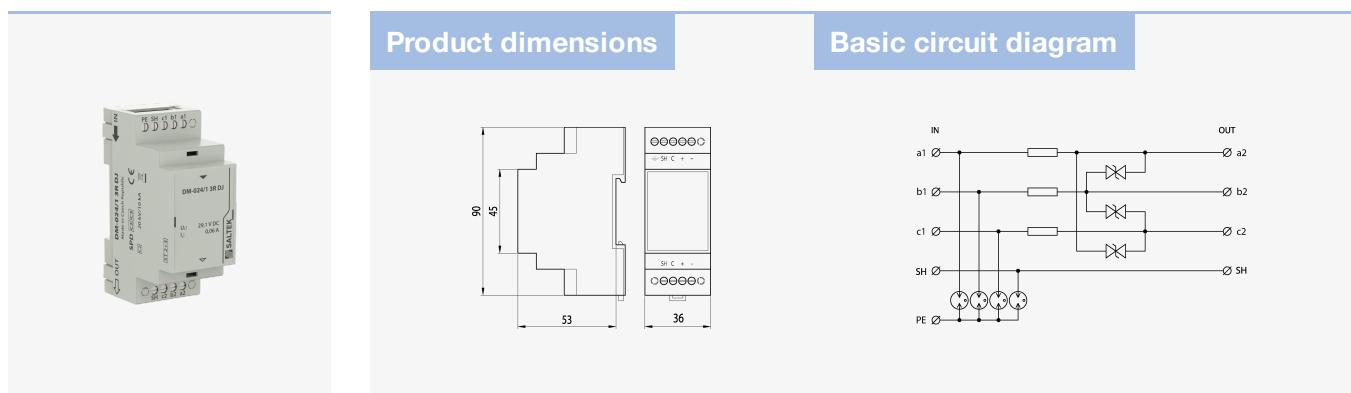


# DM-024/1 3R DJ

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

Surge protection for 3-core signalling lines  
coupling impedance (R – resistance)

- 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)



Parameter name	Parameter value
Type of SPD	C2,C3
Location of SPD	ST 2+3
Mounting	DIN rail 35 mm
Nominal voltage	$U_n$ 24 V DC
Maximum operating voltage	$U_c$ 20.60 V AC
Maximum operating voltage	$U_c$ 29.10 V DC
Nominal load current	$I_L$ 0.060 A
Treshold frequency core-core	f 3.40 MHz
Serial resistance per core	R 6.80 Ω

C2 nominal discharge current (8/20 µs) per core	$I_n$	10.00 kA
C2 voltage protection level mode core-PE at $I_n$	$U_p$	350 V
C2 voltage protection level mode core-core at $I_n$	$U_p$	50 V
C3 voltage protection level mode core-PE at 1 kV/µs	$U_p$	650 V
C3 voltage protection level mode core-core at 1 kV/µs	$U_p$	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	8595090512349	
Order number	A01234	