


MT-2/1-S- 24DC

Order No.: 2765699



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Rail-mountable module with surge voltage fine protection, mounting on NS 35/7.5. Nominal voltage: 24 V DC, housing width: 12.5 mm

Commercial data	
GTIN (EAN)	 4 017918 066543
sales group	J310
Pack	10 pcs.
Customs tariff	85363010
Catalog page information	Page 109 (TT-2009)

Product notes

WEEE/RoHS-compliant since:
06/02/2006



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Technical data	
General	
Housing material	PA
Inflammability class acc. to UL 94	V0
Color	black
Standards for air and creepage distances	VDE 0110-1

Total surge current (8/20) μ s	1.5 kA
Ambient temperature (operation)	-40 °C ... 85 °C
Mounting type	DIN rail: 35 mm
Design	Rail-mountable module, one-piece
Number of positions	2
Degree of protection	IP20
Direction of action	Line-Line
Width	12.40 mm
Height	55.00 mm
Length	77.50 mm

Protective circuit

IEC category	C1
	C2
	C3
Nominal voltage U_N	24 V DC
Maximum continuous operating voltage U_C	30 V DC
	21 V AC
Maximum continuous voltage U_C (wire-wire)	30 V DC
	21 V AC
Nominal current I_N	6 A
Operating effective current I_C at U_C	$\leq 10 \mu$ A
Nominal discharge surge current I_n (8/20) μ s (Core-Core)	1.5 kA
Total surge current (8/20) μ s	1.5 kA
Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Core)	1.5 kA
Nominal pulse current I_{an} (10/1000) μ s (Core-Core)	185 A
Output voltage limitation at 1 kV/ μ s (Core-Core) static	≤ 55 V
Residual voltage at I_n , (conductor-conductor)	≤ 95 V
Response time t_A (Core-Core)	≤ 1 ns
Capacity (Core-Core)	Typ. 7 nF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C1 (1 kV / 500 A)
	C2 (2 kV / 1 kA)
	C3 (100 A)

Connection data

Connection method	Screw terminal blocks
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals



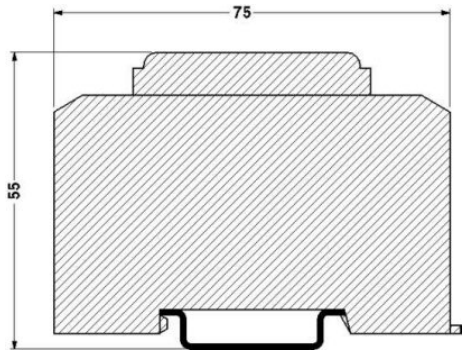
Certification GOST

Additional products

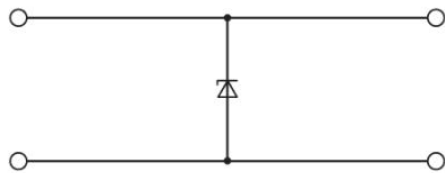
Item	Designation	Description
Assembly		
2839295	SSA 3-6	shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black
2839512	SSA 5-10	Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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