

MT-2FM-RJ12

Discontinued item

Order No.: 2838937



Rail-mountable module with surge protection for analog telecommunication interfaces, for mounting on NS 35/7.5, housing width: 50 mm

Commercial data

EAN	4017918193409
Pack	1 pcs.
Customs tariff	85363010
Weight/Piece	0.126 KG
Catalog page information	Page 123 (TT-2005)

Product notes

WEEE/RoHS-compliant since:
08/09/2006



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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	DIN VDE 0110-1
	IEC 60664-1: 1992-10
Surge voltage category	III
Pollution degree	2
Ambient temperature (operation)	-25 °C ... 85 °C
Mounting type	DIN rail 35 mm
Design	Rail-mountable module, one-piece
Degree of protection	IP20
Direction of action	Line-Line & Line-Earth Ground
Width	45.00 mm
Height	55.00 mm
Length	77.50 mm
Protective circuit	
IEC category	C2
	C3
	B2
	D1
Arrester rated voltage U_c (Core-Core)	185 V DC (a1-b1 / a2-b2)
Arrester rated voltage U_c (Core-Earth)	185 V DC
Nominal current I_N	≤ 150 mA
Operating effective current I_c at U_c	≤ 10 μ A
Discharge current to PE at U_c	≤ 1 μ A
Nominal discharge surge current I_n (8/20) μ s (Core-Core)	5 kA
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	5 kA
Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Earth)	10 kA (all cores to ground)
Output voltage limitation at 1 kV/ μ s (Core-Core) spike	≤ 300 V
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 500 V
Output voltage limitation (10/700) μ s (Core-Core)	≤ 300 V (impulse (4 kV): a,b --> ground)
Output voltage limitation (10/700) μ s (Core-Earth)	≤ 500 V (impulse (4 kV): Core--> ground)
Residual voltage at I_n , (conductor-conductor)	≤ 50 V
Fixed cable length	0 mm
Protection level U_p (Core-Core)	≤ 300 V (B2-100A/C2-5kA/C3-100A)

Protection level U_p (Core-Earth)	≤ 500 V (B2-100A/C2-5kA/C3-100A)
	≤ 550 V (D1-2.5kA)
Response time t_A (Core-Core)	≤ 10 ns
Response time t_A (Core-Earth)	≤ 100 ns
Input attenuation a_E , sym.	Typ. 0.1 dB (up to 500 kHz, 600 Ω system)
Cut-off frequency f_g (3 dB), sym. in 600 Ohm system	Typ. 2 MHz
Capacity (Core-Core)	Typ. 200 pF
Inductivity in series	39 μ H 10 %
Resistance in series	1 Ω
Short circuit current self-quenching	150 mA
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	B2 (4 kV / 100 A)
	C2 (10 kV/5 kA)
	C3 (7.5 kV / 100 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	B2 (4 kV / 100 A)
	C2 (10 kV/5 kA)
	C3 (7.5 kV / 100 A)
	D1 (20 kV / 2.5 kA)

Connection data

Type of connection	Screw connection & RJ12
Connection type IN	Screw terminal blocks
Connection type OUT	RJ12
	Screw terminal blocks
Screw thread	M3
Tightening torque, min	0.8 Nm
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, equipotential bonding

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Connection, protective circuit

Standards/regulations	IEC 61643-1
	E DIN VDE 0675-6/A1
	E DIN VDE 0675-6/A2

Certificates / Approvals



Certification

GOST

Drawings

Dimensioned drawing

