

F-MS-T1/T2 50 ST

Order No.: 2800191



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N-PE replacement connector for VAL-MS-T1/T2 335/12.5 plug-in lightning arrester.

Commercial data

EAN	4046356518628
Pack	10 pcs.
Customs tariff	85363030
Weight/Piece	0.0779 KG
Product key	07004
country of origin	DE
Catalog page information	Page 196 (NTK-2010)

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Technical data

Standards

Housing material	PA
Inflammability class acc. to UL 94	V0
Color	black
Standards for air and creepage distances	DIN EN 60664-1 EN 61643-1
Degree of protection	IP20
Mounting type	On base element
Design	DIN rail module, two-section, divisible

Number of positions	1
Ambient temperature (operation)	-40 °C ... 80 °C
Message surge protection faulty	Optical
Direction of action	N-PE
Width	17.70 mm
Height	67.30 mm
Length	47.00 mm
Pitch unit	1 Div.
Protective circuit	
IEC category	I, II
	T1, T2
EN type	T1, T2
Nominal voltage U_N	240 V AC (230 V AC ... 240 V AC)
Arrester rated voltage U_C	264 V AC
Arrester rated voltage U_C (N-PE)	264 V AC
U_T (TOV-proof)	1200 V AC (200 ms / N-PE)
Nominal frequency f_N	50 Hz (60 Hz)
Discharge current to PE at U_C	$\leq 2 \mu\text{A}$
Max. discharge surge current $I_{\text{max}} (8/20) \mu\text{s}$	50 kA
Max. discharge surge current $I_{\text{max}} (8/20) \mu\text{s}$ maximum (N-PE)	50 kA
Nominal discharge surge current $I_n (8/20) \mu\text{s}$	50 kA
Nominal discharge surge current $I_n (8/20) \mu\text{s}$ (N-PE)	50 kA
Lightning test current (10/350) μs , charge	25 As
Lightning test current (10/350) μs , specific energy	625.00 kJ/ Ω
Lightning test current (10/350) μs , peak value I_{imp}	50 kA
Impulse operate voltage at 6 kV (1.2/50) μs (N-PE)	$\leq 1.7 \text{ kV}$
Protection level Up	$\leq 1.7 \text{ kV}$
Protection level UP (N-PE)	$\leq 1.7 \text{ kV}$
Residual voltage	$\leq 0.5 \text{ kV}$ (at 5 kA)
Residual voltage (N-PE)	$\leq 0.6 \text{ kV}$
	$\leq 0.5 \text{ kV}$ (at 10 kA)
	$\leq 0.5 \text{ kV}$ (at 5 kA)
	$\leq 0.4 \text{ kV}$ (at 3 kA)

Response time	≤ 100 ns
Response time (N-PE)	≤ 100 ns
Follow current quenching capacity I _f (N-PE)	100 A (264 V AC)

Connection, protective circuit

Connection type IN	FLASHTRAB/VALVETRAB plug-in system
Connection type OUT	FLASHTRAB/VALVETRAB plug-in system

Environmental conditions

Standards/regulations	IEC 61643-1
	DIN EN 61643-11
	DIN EN 61643-11/A11

Certificates / Approvals



Certification

CB, CCA, KEMA, OEVE

Address

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 00
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



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