



ارستر کلاس ترکیبی (I+II) b+c فونیکس کنتاکت

مدل VAL-MS-T1/T2 335/12.5/3+1



۰۲۱ ۶۶۷۵۶۲۳۱



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Technical data

Product properties

Product type	Arrester combination
Product family	VALVETRAB MS
IEC test classification	I / II
EN type	T1 / T2
IEC power supply system	TT
	TN-S
Type	DIN rail module, two-section, divisible
Number of positions	4
Surge protection fault message	optical

Insulation characteristics

Overvoltage category	III
Pollution degree	2

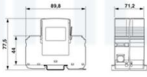
Electrical properties

Nominal frequency f_N	50 Hz (60 Hz)
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Connection data

Connection method	Screw connection
Screw thread	M5
Tightening torque	3 Nm (1.5 mm ² ... 16 mm ²) 4.5 Nm (25 mm ² ... 35 mm ²)
Stripping length	16 mm
Conductor cross section flexible	1.5 mm ² ... 25 mm ²
Conductor cross section rigid	1.5 mm ² ... 35 mm ²
Conductor cross section AWG	15 ... 2
Connection method	Fork-type cable lug
Conductor cross section flexible	1.5 mm ² ... 16 mm ²

Dimensions

Dimensional drawing	
Width	71.2 mm
Height	89.8 mm
Depth	77.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	4 Div.

Protective circuit

Mode of protection	L-N L-PEN
Direction of action	L-N / L-PEN
Nominal voltage U_N	240 V AC (TN-C, TN-S) 240 V AC (TT)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	335 V AC
Rated load current I_L	80 A
Residual current I_{FE}	$\leq 800 \mu A$
Standby power consumption P_C	$\leq 270 mVA$
Nominal discharge current I_n (8/20) μs	12.5 kA
Maximum discharge current I_{max} (8/20) μs	50 kA
Impulse discharge current (10/350) μs , charge	6.25 As
Impulse discharge current (10/350) μs , specific energy	39 kJ/Ω
Impulse discharge current (10/350) μs , peak value I_{imp}	12.5 kA
Total discharge current I_{total} (8/20) μs	12.5 kA
Total discharge current I_{total} (10/350) μs	12.5 kA
Short-circuit current rating I_{SCCR}	25 kA
Voltage protection level U_p	$\leq 1.2 kV$ $\leq 1.6 kV$ (30 kA - 8/20 μs) $\leq 1.2 kV$ (at I_n) $\leq 1.1 kV$ (at 10 kA) $\leq 1 kV$ (at 5 kA) $\leq 0.9 kV$ (at 3 kA)
TOV behavior at U_T	415 V AC (5 s / withstand mode)
Response time t_A	$\leq 25 ns$
Max. backup fuse with V-type through wiring	80 A (gG - 16 mm ²)
Max. backup fuse with branch wiring	160 A (gG)

Additional technical data

Maximum discharge current I_{max} (8/20) μs	65 kA
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