

TF 3-3-VA-230AC

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Order No.: 2856391

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Protective plug TF with varistors between 2 signal lines and earth, temperature-monitored with disconnect device, PE connection line. Nominal voltage: 230 V AC

Commercial data

GTIN (EAN)	4017918821296
Note	Made-to-order
sales group	J240
Pack	10 pcs.
Customs tariff	85363010
Weight/Piece	0.0507 KG

Product notes

WEEE/RoHS-compliant since:
06/07/2006



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Technical data

General

Inflammability class acc. to UL 94	V2
Standards for air and creepage distances	IEC 60664-1: 1992-10 VDE 0110-1
Ambient temperature (operation)	-40 °C ... 75 °C
Degree of protection	IP20

Direction of action	Line-Line & Line-Earth Ground
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 2.20
Protective circuit	
Nominal voltage U_N	230 V AC (core-ground)
	400 V AC (core-core)
Arrester rated voltage U_C (Core-Core)	440 V AC
Arrester rated voltage U_C (Core-Earth)	275 V AC
Nominal current I_N	3 A (75°C)
Operating effective current I_C at U_C	$\leq 10 \mu\text{A}$
Ground conductor current I_{PE}	30 μA
Nominal discharge surge current I_n (8/20) μs (Core-Core)	1.5 kA
Nominal discharge surge current I_n (8/20) μs (Core-Earth)	1.5 kA
Max. discharge surge current I_{max} (8/20) μs maximum (Core-Core)	4.5 kA
Max. discharge surge current I_{max} (8/20) μs maximum (Core-Earth)	4.5 kA
Residual voltage at I_n , (conductor-conductor)	$\leq 2 \text{ kV}$
Residual voltage at I_n , (conductor-ground)	$\leq 1 \text{ kV}$
Energy absorption symmetrical	142 J
Energy absorption, asymmetrical	71 J
Protection level U_P (Core-Core)	$\leq 2 \text{ kV}$ (For $U_{OC} = 4 \text{ kV}$)
Protection level U_P (Core-Earth)	$\leq 1 \text{ kV}$ (For $U_{OC} = 4 \text{ kV}$)
Response time t_A (Core-Core)	$\leq 25 \text{ ns}$
Response time t_A (Core-Earth)	$\leq 25 \text{ ns}$
Frequency range	50 Hz ... 60 Hz
Capacity (Core-Core)	160 pF (typ.)
Capacity (Core-Earth)	320 pF (typ.)
Max. required back-up fuse	3 A
Connection data	
Type of connection	ST-REL 3A

Certificates / Approvals



Certification

GOST

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