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Surge protection device - TT-UK-R-F/250AC - 2788249

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Modular double terminal block with gas-filled surge arrester as coarse protection between both levels, nominal voltage: 250 V AC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 15.5 mm, terminal height: 45.5 mm

Key commercial data

Packing unit	1 pc
GTIN	4 017918 071455
Weight per Piece (excluding packing)	30.16 GRM
Custom tariff number	85363010
Country of origin	Greece

Technical data

Dimensions

Height	45.5 mm
Width	15.3 mm
Length	50 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
Degree of protection	IP20

General

Housing material	PA
Inflammability class according to UL 94	V2
Color	black
Standards for air and creepage distances	VDE 0110-1
Mounting type	DIN rail/G-profile rail

Surge protection device - TT-UK-R-F/250AC - 2788249

Technical data

General

Type	Single-level terminal block – two-channel
Direction of action	Line-Line

Protective circuit

IEC test classification	C2
	D1
VDE requirement class	C2
	D1
Nominal voltage U_N	250 V AC
Maximum continuous operating voltage U_C	150 V DC
	250 V AC
Maximum continuous voltage UC (wire-wire)	150 V DC
	250 V AC
Nominal current I_N	2 A
Operating effective current I_C at U_C	≤ 2 µA
Residual current I_{PE}	≤ 2 µA
Nominal discharge current I_n (8/20) µs (Core-Core)	20 kA
Total surge current (8/20) µs	20 kA
Max. discharge current I_{max} (8/20) µs maximum (Core-Core)	20 kA
Output voltage limitation at 1 kV/µs (Core-Core) spike	≤ 1.4 kV
Response time tA (Core-Core)	≤ 100 ns
Capacity (Core-Core)	≤ 1.5 pF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C2 - 10 kV / 5 kA
	D1 (20 kV/2.5 kA)
Alternating current carrying capacity in acc. with IEC 61643-21 (Core-Earth)	20 A (1 s)

Connection data

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²

Surge protection device - TT-UK-R-F/250AC - 2788249

Technical data

Connection data

Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Standards and Regulations

Standards/regulations	IEC 61643-21

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

GOST / GOST

Surge protection device - TT-UK-R-F/250AC - 2788249

Approvals

Ex Approvals

Approvals submitted

Approval details

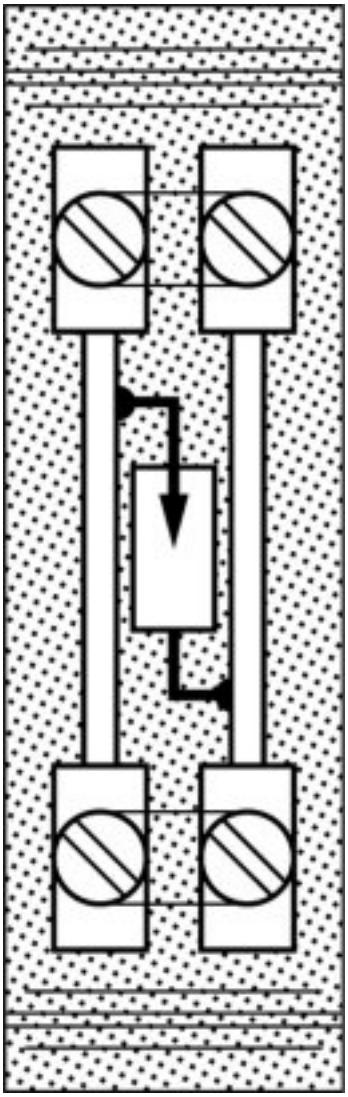
GOST

GOST

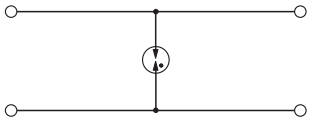
Drawings

Surge protection device - TT-UK-R-F/250AC - 2788249

Schematic diagram



Circuit diagram



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Schematic diagram