Surge protection device - TT-UKK5-M/ 24DC - 2795960

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Double-level modular terminal block with suppressor diode as surge protection between both levels, disconnect knife in the upper level, nominal voltage: 24 V DC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 6.2 mm, terminal height: 68 mm

Why buy this product

- Can be used in the signal circuits of electronic controllers

Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 111 (TT-2011)
GTIN	4 017918 073220
Custom tariff number	85363010
Country of origin	GREECE

Technical data

General

Housing material	PA
Inflammability class according to UL 94	V2
Color	black
Standards for air and creepage distances	VDE 0110-1
Total surge current (8/20) µs	169 A
Ambient temperature (operation)	-40 °C ... 85 °C
Mounting type	DIN rail/G-profile rail
Design	Double-level terminal block with disconnect knife
Number of positions	1
Degree of protection	IP20
Direction of action	Line-Line
Width	6.2 mm
Height	68 mm
Length	80 mm

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Technical data

Protective circuit

IEC category	C3
VDE requirement class	C3
Nominal voltage UN	24 V DC
Maximum continuous operating voltage UC	28 V DC
Maximum continuous operating voltage UC	20 V AC
Maximum continuous voltage UC (wire-wire)	28 V DC
Maximum continuous voltage UC (wire-ground)	20 V AC
Nominal current IN	12 A (45°C)
Operating effective current IC at UC	≤ 5 µA
Nominal discharge surge current In (8/20) µs (Core-Core)	169 A
Total surge current (8/20) µs	169 A
Max. discharge surge current Imax (8/20) µs maximum (Core-Core)	169 A
Nominal pulse current Ian (10/1000) µs (Core-Core)	33 A
Output voltage limitation at 1 kV/µs (Core-Core) static	≤ 40 V
Residual voltage at In, (conductor-conductor)	≤ 55 V
Response time tA (Core-Core)	≤ 1 ns
Cut-off frequency fg (3 dB), sym. in 150 Ohm system	Typ. 1.2 MHz
Capacity (Core-Core)	≤ 1.6 nF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C3 (25 A)

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.	4 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Connection, protective circuit

Standards/regulations	IEC 61643-21

Classifications

eclass

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801

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Classifications

eclass

eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807

etim

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943

unspsc

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

Approvals

Approvals

Approvals

CSA / GOST / GOST

Ex Approvals

Approvals submitted

Approval details

CSA

mm²/AWG/kcmil	24-12
Nominal current IN	12 A
Nominal voltage UN	24 V

GOST

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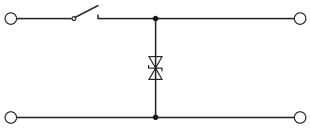
Approvals

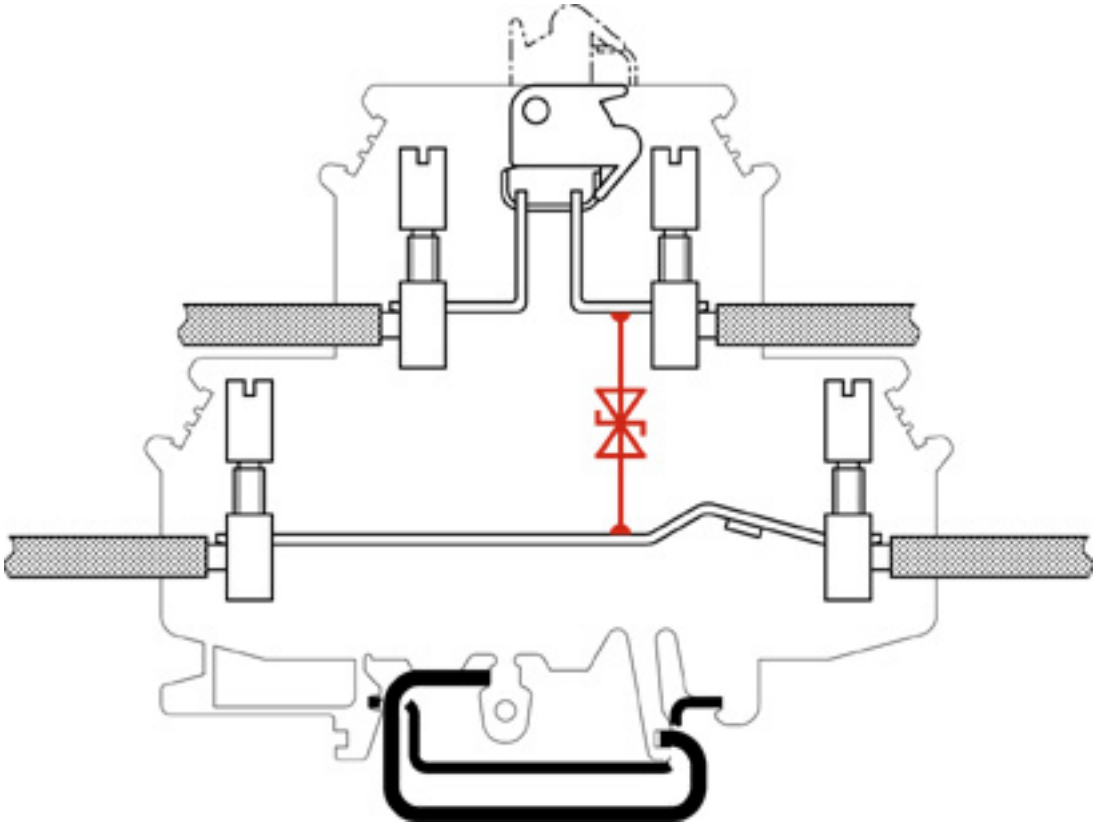
GOST

Drawings

Circuit diagram



Schematic diagram



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