

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number:	2818083
Manufacturer:	Phoenix Contact
Package:	Module
Availability:	Please confirm with sales

Product Page:

<https://antrexco.com/product/details/phoenix-contact/2818083.html>

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

Surge protection connector - TT-UKK5-T-V-120AC-ST - 2818083

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Protective plug with varistor to plug onto base element TT-UKK5-T-BE, nominal voltage: 120 V AC

The illustration shows version
TT-UKK5-T-V-24 DC-ST



Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 88 (TT-2007)
GTIN	 4 017918 148317
Custom tariff number	85363030
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) μ s	2.5 kA
Ambient temperature (operation)	-40 °C ... 60 °C
Mounting type	On base element
Design	Single-level terminal block
Number of positions	1
Degree of protection	IP20
Direction of action	Line-Line
Width	6.2 mm
Height	41.5 mm
Depth	52 mm

Protective circuit

Surge protection connector - TT-UKK5-T-V-120AC-ST - 2818083

Technical data

Protective circuit

IEC category	C1
IEC category	C2
IEC category	C3
VDE requirement class	C2
VDE requirement class	C3
Nominal voltage UN	120 V AC
Maximum continuous operating voltage UC	170 V DC
Maximum continuous operating voltage UC	130 V AC
Maximum continuous voltage UC (wire-wire)	170 V DC
Maximum continuous voltage UC (wire-ground)	130 V DC
Nominal current IN	26 A (40°C)
Operating effective current IC at UC	≤ 300 µA
Nominal discharge surge current In (8/20) µs (Core-Core)	2.5 kA
Total surge current (8/20) µs	2.5 kA
Max. discharge surge current I _{max} (8/20) µs maximum (Core-Core)	8 kA
Nominal pulse current I _{an} (10/1000) µs (Core-Core)	80 A
Residual voltage at In, (conductor-conductor)	≤ 475 V
Response time t _A (Core-Core)	≤ 25 ns
Capacity (Core-Core)	Typ. 1.34 nF
Message: Surge protection fault	None
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C2 (4 kV/2 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C3 (25 A)

Connection data

Connection method	Screw connection (in connection with the base element)
Connection type IN	TERMITRAB plug-in system
Connection type OUT	TERMITRAB plug-in system
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Surge protection connector - TT-UKK5-T-V-120AC-ST - 2818083

Classifications

eclass

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

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

GOST / GOST

Ex Approvals

Approvals submitted

Approval details

GOST 
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GOST 
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Surge protection connector - TT-UKK5-T-V-120AC-ST - 2818083

Accessories

Necessary add-on products

Surge protection base element - TT-UKK5-T-BE - 2788401



TERMITRAB base element with universal foot, with screw connections on both sides.

Additional products

Shield connection - SSA 3-6 - 2839295



shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black

Shield connection - SSA 5-10 - 2839512



Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black

Drawings

Circuit diagram

