

INDUSTRIAL COMPONENT DATA

VAL-SEC-T2-175-P 2905355 PHOENIX CONTACT Type 2 surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-SEC-T2-175-P



Manufacturer	PHOENIX CONTACT
MPN / Reference	VAL-SEC-T2-175-P
Catalog number	2905355
Category	Accessories/spare parts for surge protection power supply systems
Minimum order	1 Pcs
Document ID	EO-0D952E1209
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Product Overview

Type 2 surge protection plug

Replacement connector for surge arrester from the VALVETRAB SEC product line for L-N and L-PEN paths.

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > Trabtech (TT)
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Additional Product Information

Technical dataProduct propertiesProduct type Replacement plug

Product family SEC Family

IEC test classification II

T2

EN type T2

IEC power supply system TN

TT

Type Male

Number of positions 1

Surge protection fault message optical

Data management status

Article revision 03

Insulation characteristics

Overvoltage category III

Pollution degree 2

Electrical propertiesNominal frequency f_N 50 Hz (60 Hz)

Connection dataConnection method pluggable

DimensionsDimensional drawing

Width 11.7 mm

Height 46.4 mm

Depth 59.4 mm

Horizontal pitch 0.6 Div.

Material specificationsColor light gray (RAL 7035)

Flammability rating according to UL 94 V-0

CTI value of material 600

Insulating material PA6.6-FR 20% GF

PBT-FR

Material group I

Housing material PA 6.6-FR 20 % GF

PBT-FR

Protective circuitMode of protection L-N

L-PEN

Direction of action L-N / L-PEN

Nominal voltage U_N 120 V AC (TN)

120 V AC (TT)

Nominal frequency f_N 50 Hz (60 Hz)

Maximum continuous voltage U_C 175 V AC

Nominal discharge current $I_n(8/20)$ μ s 20 kA

Maximum discharge current $I_{max}(8/20)$ μ s 40 kA

Short-circuit current rating ISCCR 25 kA (for a backup fuse of up to 315 A gG)

50 kA (for a backup fuse of up to 200 A gG)

Voltage protection level $U_p \leq 0.85$ kV

Residual voltage $U_{res} \leq 0.85$ kV (at I_n)

≤ 0.75 kV (at 10 kA)

≤ 0.65 kV (at 5 kA)

≤ 0.63 kV (at 4 kA)

≤ 0.57 kV (at 2 kA)

TOV behavior at U_T 240 V AC (5 s / withstand mode)

240 V AC (120 min / safe failure mode)

Response time $t_A \leq 25$ ns

Max. backup fuse with branch wiring 315 A (gG)

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REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-SEC-T2-175-P with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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