

INDUSTRIAL COMPONENT DATA

VAL-MS 690 ST 1068842 PHOENIX CONTACT Type 2 surge protection plug with high-capacity varistor for VAL-MS ba..

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-MS 690 ST



Manufacturer	PHOENIX CONTACT
MPN / Reference	VAL-MS 690 ST
Catalog number	1068842
Category	Accessories/spare parts for surge protection power supply systems
Minimum order	1 Pcs
Document ID	EO-89A6DAF7FF
Generated	2026-08-03

Product Overview

Type 2 surge protection plug with high-capacity varistor for VAL-MS base element, thermal monitoring, visual fault warning.

Design: 690 V AC

Plug-in type 2 surge protection with high-voltage varistor for VAL-MS base element, with thermal control, optical fault indication. Version: 690 V AC

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)
--------------	---------------------------------

Additional Product Information

Key Commercial Data

Orderkey 1068842

Packing unit 1

GTIN 4055626743905

Custom tariff number 85363010

Drawings

Ambient conditions

Additional descriptions

Connection data

Standards and Regulations

Dimensions

General

[Protective circuit](#)

[UL specifications](#)

[Classifications](#)

[Drawings](#)

[Dimensional drawing](#)

[Circuit diagram](#)

[Back to top](#)[Dimensions](#)

Height 52.4 mm

Width 17.5 mm

Depth 55.3 mm

Horizontal pitch 1 Div.

[Back to top](#)[Ambient conditions](#)

Degree of protection IP20

Ambient temperature (operation) -40 °C ... 85 °C

Ambient temperature (storage/transport) -40 °C ... 85 °C

Altitude ≤ 2000 m (amsl (above mean sea level))

Permissible humidity (operation) 5 % ... 95 %

Shock (operation) 25g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)

Vibration (operation) 5g (10 ... 500 Hz / 2.5 h / X, Y, Z)

[Back to top](#)[General](#)

IEC test classification II

T2

EN type T2

IEC power supply system TN

IT

Mode of protection L-PE (IT)

L-PEN (TN-C)

Mounting type on base element

Color jet black RAL 9005

Housing material PA 6.6

Degree of pollution 2

Distance between live and grounded parts 8 mm

Flammability rating according to UL 94 V-0

Type Male

Number of positions 1

Surge protection fault message optical

[Back to top](#)[Additional descriptions](#)

Note For use in all low-voltage systems between L-PEN.

Only for use in IT systems between L-PE if the bodies of the equipment in the low-voltage system are connected to the grounding system of the transformer station. (common grounding of the HV transformer station and the bodies of the LV consum...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-MS 690 ST 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.