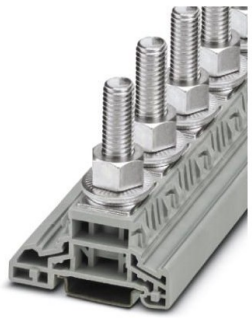
INDUSTRIAL COMPONENT DATA

HV M12/1 3049505 PHOENIX CONTACT High Current Connectors

Brand: PHOENIX CONTACT | Manufacturer Part Number: HV M12/1



Manufacturer	PHOENIX CONTACT
MPN / Reference	HV M12/1
Catalog number	3049505
Category	Feed-through terminal block
Minimum order	10 Pcs
Document ID	EO-8B9BB1806D
Generated	2026-11-18

Product Overview

High Current Connectors
Connector splicer, nominal voltage: 1000 V, nominal current: 269 A, number of connections: 1, connection type: Stud connection, Sizing cross-section: 120 mm², mounting class: NS 35/7.5, NS 35/15, color: gray

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 > Enclosures connectivity

Additional Product Information

Key Commercial Data
Orderkey 3049505
Packing unit 10 pc
Minimum order quantity 10 pc
Catalog page Page 553 (C-1-2017)
GTIN 4046356184090
Weight per Piece (excluding packing) 98.270 g
Custom tariff number 85369010
Country of origin DE (Germany)
General
Number of levels 1
Number of connections 1
Nominal cross section 120 mm²

Color gray
Insulating material PA
Flammability rating according to UL 94 V0
Rated surge voltage 8 kV
Degree of pollution 3
Overvoltage category III
Insulating material group I
Maximum power dissipation for nominal condition 8.68 W
Connection in acc. with standard IEC 60947-7-1
Nominal current IN 269 A
Maximum load current 269 A
Nominal voltage UN 1000 V
Open side panel No
Result of surge voltage test Test passed
Surge voltage test setpoint 9.8 kV
Result of power-frequency withstand voltage test Test passed
Power frequency withstand voltage setpoint 2.2 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection) Test passed
Result of tight fit on support Test passed
Tight fit on carrier NS 35
Setpoint 15 N
Result of voltage-drop test Test passed
Requirements, voltage drop <= 3.2 mV
Result of temperature-rise test Test passed
Result of thermal test Test passed
Proof of thermal characteristics (needle flame) effective duration 10 s
Oscillation, broadband noise test result Test passed
Test specification, oscillation, broadband noise DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum Service life test category 1, class B, body mou...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / HV M12/1 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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