INDUSTRIAL COMPONENT DATA

PSM-ME-RS485/RS485-P 2744429 PHOENIX CONTACT Repeater

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSM-ME-RS485/RS485-P



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSM-ME-RS485/RS485-P
Catalog number	2744429
Category	PLC communication module
Minimum order	1 Pcs
Document ID	EO-B969DCD3D5
Generated	2026-11-18

Product Overview

Repeater
Repeater, for galvanic separation and range increase in RS-485 2-wire bus systems, 3-way separation, for rail mounting
Repeater, for potential separation and range increase in RS-485 2-wire bus systems, 3-way isolation, rail-mountable

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 > Safety

Additional Product Information

Technical dataNotesNote on application
Note on application Only for industrial use
Utilization restriction
EMC note EMC: class A product, see manufacturer's declaration in the download area
Utilization restriction
CCCex note Use in potentially explosive areas is not permitted in China.
Product propertiesProduct type Interface converter
Application RS-485
MTTF 1808 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
796 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%)
334 Years (SN 29500 standard, temperature 40°C, operating cycle 100%)
Data management status
Article revision 19

Insulation characteristics
Pollution degree 2
Electrical propertiesElectrical isolation VCC // RS-485 (A) // RS-485 (B)
Maximum power dissipation for nominal condition 2.16 W
Test voltage data interface/power supply 1.5 kVrms(50 Hz, 1 min.)
Supply
Supply voltage range 18 V AC/DC ... 30 V AC/DC (via pluggable COMBICON screw terminal block)
Nominal supply voltage 24 V AC/DC
Typical current consumption 90 mA (24 V DC)
Max. current consumption 100 mA
Connection dataSupply
Single conductor/terminal point, rigid 0.2 mm² ... 2.5 mm²
Single-wire/terminal point, flexible 0.2 mm² ... 2.5 mm²
Conductor cross section, flexible [AWG] 24 ... 12
Tightening torque 0.56 Nm ... 0.79 Nm
InterfacesBit distortion < 1.5 %
Bit distortion, input max. ± 35 %
Bit distortion, output < 3.6 %
Bit delay < 200 ns
Signal Modbus
Transmission channels 2 (1/1), TD, RD, half duplex
Data: RS-485 interface,...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSM-ME-RS485/RS485-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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