

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-9DBC9F8E9E
Generated	2026-08-01

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

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.