

INDUSTRIAL COMPONENT DATA

PT-IQ-1X2-24DC-UT 2800976 PHOENIX CONTACT Surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT-IQ-1X2-24DC-UT



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT-IQ-1X2-24DC-UT
Catalog number	2800976
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-8E1E90D40F
Generated	2026-08-04

Product Overview

Surge protection device

Surge protection, consisting of plug-in protection and base element, with multi-level status indication integrated into the module, for a 2-wire signal circuit driven free of earth potential, suitable for HART.

Surge protection, consisting of protective plug and base element, with integrated multi-stage status indicator on the module, for a 2-wire floating signal circuit, HART-compatible. Can be used in safety-related circuits up to SIL 3.

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

Technical dataNotesGeneral

Note Remote signaling as well as the power supply of the DIN rail connector are established by snapping the module into place on the DIN rail connector.

Product propertiesProduct type Surge protection for MCR technology

Product family PLUGTRAB IQ

IEC test classification C1

C2

C3

D1

Type DIN rail module, two-section, divisible

Surge protection fault message Optical, multi-stage

Wire pairs per module 1
Data management status
Article revision 08
Insulation characteristics
Overvoltage category III
Pollution degree 2
Electrical propertiesNominal voltage UN 24 V DC
Connection dataConnection method Screw connection
Screw thread M3
Tightening torque 0.5 Nm
Conductor cross section flexible 0.2 mm² ... 2.5 mm²
Conductor cross section rigid 0.2 mm² ... 4 mm²
Conductor cross section AWG 24 ... 12
DimensionsDimensional drawing
Width 17.7 mm
Height 91.1 mm
Depth 77.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch 1 Div.
Material specificationsColor black (RAL 9005)
black (RAL 9005)
Flammability rating according to UL 94 V-0
Housing material PA 6.6
Mechanical propertiesMechanical data
Open side panel No
Protective circuitDirection of action Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground
Maximum continuous voltage UC 30 V DC
21 V AC
Rated current 1000 mA (40 °C)
Operating effective current I_{Cat UC} ≤ 1 mA (in the signal circuit)
Residual current I_{PE} ≤ 2 µA (per signal circuit)
Nominal discharge current I_{n(8/20)} µs (line-line) 10 kA....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT-IQ-1X2-24DC-UT 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.