

PI-EX-MB/16/3/D-SUB

Order No.: 2835587




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Ex-i motherboard to accept 16 x PI-Ex-i isolator modules (PI-Ex-...), three terminal points for the field side for every module, 37-pos. D-SUB pin strip for connection of the signals to the control system level, assembly on NS 32, or NS 35/7.5.



Commercial data

GTIN (EAN)	 4 017918 951153
Note	Made-to-order
sales group	H783
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 471 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
01/17/2007



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Technical data

General data

Nom. voltage	20 V DC ... 35 V DC (See nominal voltage, PI modules)
Width	247.7 mm
Height	127.5 mm

Depth	92 mm
Housing insulation material	Polyamide PA non-reinforced, polycarbonate PC, PVC
Inflammability class acc. to UL 94	V0
Color	green
Conformance	CE-compliant
ATEX	Ex II (1) GD [EEx ia] IIC
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C

Connection data

Connection 1	To the control system level
Connection method	37-pos. D-SUB pin strip (DIN 41652 / IEC 807-2); max. perm. current = 1 A (125 V AC/DC)
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Screw thread	M3
Stripping length	8 mm
Connection 2	To the field level
Connection method	Screw connection
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Screw thread	M3
Stripping length	8 mm
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Certificates / Approvals

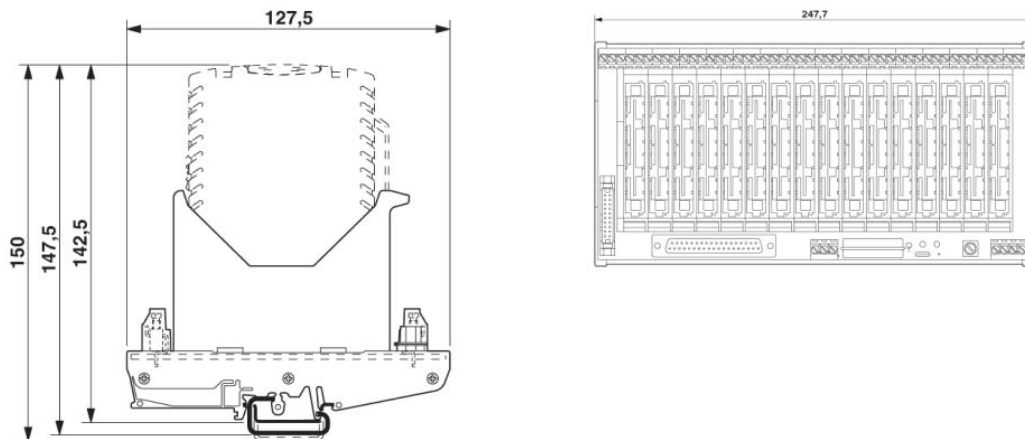
Certification Ex: KEMA-EX

Additional products

Item	Designation	Description
General		
2865120	PI-EX-DO/REL-S	Ex-i binary output: Relay with intrinsically safe contact side. For switching intrinsically safe circuits. Control either with external switching voltages or floating switch contacts. With additional hand-operated level. Electrical isolation.
2835011	PI-EX-RPSS-I/I	Ex-i analog input: Repeater power supply, HART. Feeds intrinsically safe 2- or 3-conductor measuring transducers installed in an Ex area and transmits the 4-20 mA signal to a load in a safe area. Galvanic 3-way isolation (input / output / supply).
2835066	PI-EX-RTD-I	Ex-i resistance thermometer input: Converts signals of Pt 100 resistance thermometers installed in the Ex zone and transfers a 4 mA ... 20 mA signal to a load in the safe zone. Freely programmable. Galvanic 3-way isolation.
2835590	PI-EX-RTD-I-NC	Ex-i temperature measuring transducer: Converts signals from Pt 100 resistance thermometers installed in Ex areas and transmits a 4 - 20 mA signal to a load in a safe area. Freely programmable. Galvanic 3-way isolation. Configurable.

Diagrams/Drawings

Dimensioned drawing



Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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