

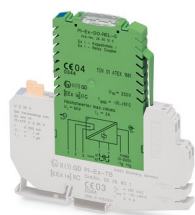
Signal isolator - PI-EX-DO/REL-S



2865120

<https://www.phoenixcontact.com/us/products/2865120>

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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.

Commercial Data

Item number	2865120
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C03
Product Key	CK3832
Catalog Page	Page 464 (IF-2009)
GTIN	4017918956639
Weight per Piece (including packing)	98.4 g
Weight per Piece (excluding packing)	67.02 g
Customs tariff number	85364190
Country of origin	DE

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Technical Data

Product properties

Product type	Relay Module
Application	Digital OUT
No. of channels	1

Electrical properties

No. of channels	1
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Electrical isolation Input/output

Electrical isolation	375 V (Peak value as per EN 50020 / EN 60079-11)
Test voltage	1.5 kV AC (50 Hz, 60 s)

Electrical isolation Output/supply

Electrical isolation	375 V (Peak value as per EN 50020 / EN 60079-11)
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Supply

Supply voltage range	20 V DC ... 30 V DC
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Input data

Control

Available input sources	External voltage actuated operation; 4 V DC < U _s < 30 V DC: Relay picks up; U _s < 2 V DC: Relay drops out Operation via external switching contact, switch closed: Relay picks up; switch open: Relay drops out
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Output data

Switching: Relay

Output description	intrinsically safe
Contact type	1 changeover contact
Contact material	AgNi, + 5 µm Au
Contact resistance per contact pair	≤ 0.1 Ω
Maximum switching voltage	30 V DC
Limiting continuous current	300 mA (when intrinsically safe circuits are connected)

Connection data

Connection method	Plug-in connection
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Ex data

Safety data

Safety-related maximum voltage U _m	250 V AC
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LED signaling

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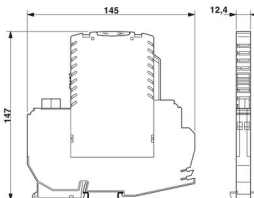


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Status display	Green LED (supply voltage)
	Yellow LED (status display)

Dimensions

Dimensional drawing	
Width	12.4 mm
Height	79 mm
Depth	118.4 mm

Material specifications

Flammability rating according to UL 94	V0
Housing material	PBT and polyamide PA non-reinforced

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approval data

CE

Certificate	CE-compliant
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ATEX

Identification	<input type="checkbox"/> II (1) G [Ex ia Ga] IIC
	<input type="checkbox"/> II (1) D [Ex ia Da] IIIC
	<input type="checkbox"/> II 3 G Ex nA nC IIC T4 Gc
Certificate	PxCIF07ATEX2865120X

EAC Ex

Identification	<input type="checkbox"/> [Ex ia Ga] IIC
Certificate	RU C-DE.AB72.B.00097/19

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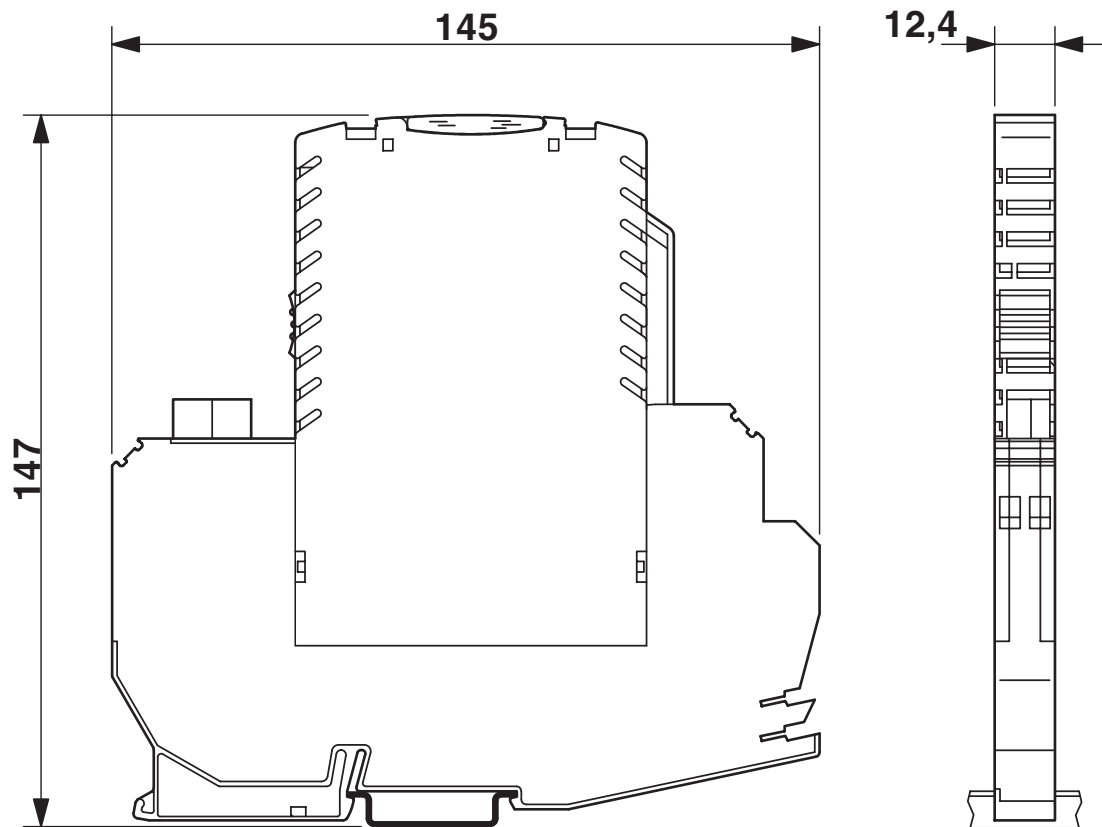
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Drawings

Dimensional drawing




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Approvals

 **EAC Ex**
Approval ID: RU C-DE.*72.B.*97/19

	ATEX Approval ID: TUEV 01 ATEX 1681			
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
EC-type examination certificate			-	-

 **ATEX**
Approval ID: 2865120_Ex-n

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Classifications

ECLASS

ECLASS-9.0	27141152
ECLASS-10.0.1	27371601
ECLASS-11.0	27371601

ETIM

ETIM 8.0	EC001437
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UNSPSC

UNSPSC 21.0	39122300
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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