

EM-D-8/4-24DC-IFS - Extension module



2904473

<https://www.phoenixcontact.com/us/products/2904473>

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For more complex applications with Interface system devices (IFS), the extension module offers digital inputs and outputs for processing additional signals in the field. Easy connection to IFS gateway via the DIN rail connector as the slave.

Commercial data

Item number	2904473
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C477
Product key	DK772Z
GTIN	4046356826051
Weight per piece (including packing)	175 g
Weight per piece (excluding packing)	99.99 g
Customs tariff number	85389091
Country of origin	DE

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Technical data

Product properties

Product type	Extension module
Product family	CONTACTRON
Operating mode	100% operating factor

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Supply

Rated control circuit supply voltage U_S	24 V DC -20 % ... +25 %
Rated control supply current I_S	85 mA (plus load current of the outputs)
Protective circuit	Reverse polarity protection
	Surge protection

Input data

Digital

Number	8
Rated actuating voltage U_C	24 V DC ± 20 %
Triggering voltage range	19.2 V DC ... 28.8 V DC
Rated actuating current I_C	3 mA
Protective circuit	Reverse polarity protection
	Surge protection

Output data

Digital: Switching outputs

Number	4
Rated output voltage U_{SO}	24 V DC
Residual voltage	1 V
Maximum switching voltage	23 V DC ($U_B - U_{resid.}$ of the output)
Max. switching current	500 mA (per output)
Protective circuit	Parallel protection against polarity reversal, pay attention to the fuse (Fusing with max. 8 A F-fuse)

Connection data

Supply

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross-section rigid	0.2 mm ² ... 2.5 mm ²

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Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Programming connection

Connection method	S-PORT (socket)
Number of connections	1
Number of positions	12

INTERFACE system

Connection method	DIN rail bus connector
Number of connections	1
Number of positions	5

Interfaces

Data: IFS interface

Data rate	76800 Baud
Serial transmission speed	76.8 kbps
Connection method	DIN rail bus connector S-PORT (male connector)

Data: Service interface

Communication protocol	Interface-System
Connection method	S-PORT (socket)
Number of connections	1
Number of positions	12

Data: Device bus

Communication protocol	Interface-System
Connection method	DIN rail bus connector
Number of connections	1
Number of positions	5
Transmission speed	76.8 kbps

Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Material specifications

Color	gray (RAL 7042)
Housing material	Polyamide PA non-reinforced

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
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Ambient temperature (operation)	-35 °C ... 50 °C
Ambient temperature (storage/transport)	-35 °C ... 80 °C

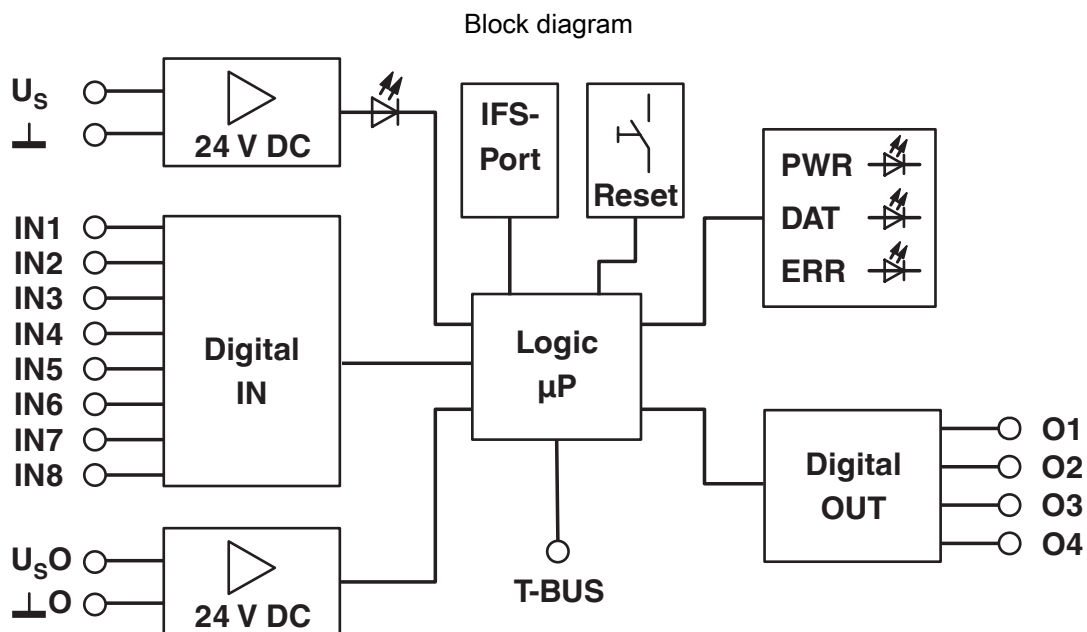
Standards and regulations

Standards/regulations	EN 61131-2
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Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

Drawings



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Approvals


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EAC
Approval ID: RU C-DE.A*30.B.01082



UL Listed
Approval ID: E140324



cUL Listed
Approval ID: E140324

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Classifications

ECLASS

ECLASS-13.0	27242604
ECLASS-15.0	27242604

ETIM

ETIM 9.0	EC001599
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)
SCIP	f36182ec-6615-4e00-a646-7d5bfb384917