UM-D37SUB/M/HC3/DI24V/MR/SI/MT - Active module

2906944

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16-channel relay module for Honeywell C300 input modules. The module is controlled by the control system via 37-pos. D-SUB or 50-pos. FLK. A screw connection with knife disconnection is available in the field. Module width: 343 mm

Commercial data

Item number	2906944
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK219H
GTIN	4055626141442
Weight per piece (including packing)	1,093.6 g
Weight per piece (excluding packing)	1,093.6 g
Customs tariff number	85371098
Country of origin	DE

Technical data

Product properties

Product type	Interface module
No. of channels	16
Operating mode	100% operating factor

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Rated surge voltage	0.6 kV

Supported controller: HONEYWELL Experion PKS C300/C-Series

Suitable I/O card	TDIL01 (non-redundant)
	TDIL11 (redundant)

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.85 ... 1.1
Input voltage range	20.4 V DC ... 26.4 V DC
Typical input current at U_N	6.5 mA
Typical response time	5 ms
Typical release time	7 ms
Protective circuit	Fuse
	Freewheeling diode
	Reverse polarity protection
Status display/channel	Yellow LED

Output data

Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	Ag alloy, hard gold-plated
Maximum switching voltage	36 V DC
Minimum switching voltage	100 mV (12 V DC with damaged gold coating)
Limiting continuous current	50 mA (500 mA with damaged gold coating)
Min. switching current	1 mA (10 mA with damaged gold coating)
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)

Connection data

Controller level

Connection method	D-SUB pin strip

Number of connections	1
Number of positions	37

Controller level

Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

Field level

Connection method	Screw connection with disconnect knife
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Signaling

Status display present	yes

Dimensions

Width	343.5 mm
Height	125.5 mm
Depth	65.5 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-15 °C ... 50 °C
Ambient temperature (storage/transport)	-15 °C ... 50 °C

Standards and regulations

Standards/regulations	EN IEC 60664-1

Mounting

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

Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2906944

EAC
Approval ID: RU*DE.*08.B.01536/19

Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 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)
SCIP	9f8a7a02-2c26-423f-af4f-55765687a227

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