

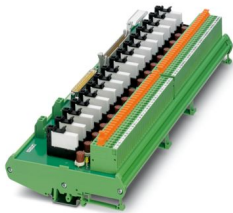
UM- D37SUB/M/HC3/16DI/MR/SI/MT - Active module



2900066

<https://www.phoenixcontact.com/us/products/2900066>

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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	2900066
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK21B3
GTIN	4046356362795
Weight per piece (including packing)	1.08 kg
Weight per piece (excluding packing)	1 kg
Customs tariff number	85371098
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
No. of channels	16
Operating mode	100% operating factor
Mechanical service life	approx. 2×10^7 cycles

Insulation characteristics

Insulation	Functional insulation
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Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (1.2/50 μ s)

Supported controller HONEYWELL Experion PKS C300/C-Series

Suitable I/O card	TDIL01 (non-redundant)
	TDIL11 (redundant)
	TDIL51 (non-redundant)

Input data

Nominal input voltage U_N	48 V DC
Input voltage range in reference to U_N	0.85 ... 1.1
Input voltage range	40.8 V DC ... 52.8 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 N/O contact
Type of switch contact	Single contact
Contact material	Ag alloy, hard gold-plated
Maximum switching voltage	36 V DC (60 V DC with damaged gold coating)

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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

Field level

Connection method	Screw connection with disconnect knife
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Control side

Connection method	Flat-ribbon cable connector in acc. with IEC 60603-13
Number of connections	1
Number of positions	50

Signaling

Status display present	Yes
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Dimensions

Width	344 mm
Height	126 mm
Depth	66 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-15 °C ... 50 °C
Ambient temperature (storage/transport)	-15 °C ... 50 °C
Altitude	≤ 2000 m

Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 50178: 1998-04
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Mounting

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

Notes

General	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.
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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

ETIM

ETIM 9.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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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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