

Active module - UM- D37SUB/M/HC3/16DO/MR/MT - 2900068

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16-channel relay module (1 changeover contact) for Honeywell C300 output modules. On the control side, the module is controlled via D-SUB 37-pos. or FLK 50-pos. A screw connection with knife disconnection is available on the field side.

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 363518
GTIN	4046356363518
Weight per Piece (excluding packing)	798.000 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	259 mm
Height	126 mm
Depth	66 mm

Ambient conditions

Ambient temperature (operation)	-15 °C ... 50 °C
Ambient temperature (storage/transport)	-15 °C ... 50 °C
Maximum altitude	≤ 2000 m
Degree of protection	IP00

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Technical data

Ambient conditions

	≥ IP54 ()
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Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.85 ... 1.1
Typical input current at U_N	9 mA
Typical response time	5 ms
Typical release time	7 ms
Protective circuit/component	Damping diode
Status display/channel	Yellow LED

Output data

Contact type	1 PDT
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V AC/DC
Limiting continuous current	4 A (see derating curve)
Min. switching current	10 mA
Interrupting rating (ohmic load) max.	96 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
	1000 VA (for 250 V AC)

General

No. of channels	16
Mechanical service life	2x 10 ⁷ cycles
Operating mode	100% operating factor
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data

Connection name	Controller level
Connection method	D-SUB pin strip
Number of connections	1
Number of positions	37

Connection data 2

Connection name	Field level
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Technical data

Connection data 2

Connection method	Screw connection with disconnect knife
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	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

Connection data 3

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

Supported controller

Controller	HONEYWELL Experion PKS C300/C-Series
- suitable I/O card	TDOB01 (non-redundant)
	TDOB11 (redundant)

Standards and Regulations

Designation	Air clearances and creepage distances, input/output
Standards/regulations	DIN EN 50178: 1998-04
Rated insulation voltage	260 V
Rated surge voltage	6 kV (1.2/50 µs)
Insulation	Reinforced insulation
Degree of pollution	2
Overvoltage category	III
Designation	Air and creepage distances, output/output
Standards/regulations	DIN EN 50178: 1998-04
Rated insulation voltage	260 V
Rated surge voltage	4 kV (1.2/50 µs)
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27250313
eCl@ss 5.1	27250300
eCl@ss 6.0	27242600
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

ETIM

ETIM 5.0	EC002780
ETIM 6.0	EC002780
ETIM 7.0	EC002780

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121421
UNSPSC 11	39121421
UNSPSC 12.01	39121421
UNSPSC 13.2	39121432

Approvals

Approvals

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EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B.01742
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