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Active module - UM-D37SUB/M/HC3/16DO/MR/1/SI - 2903733

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16-channel relay module for Honeywell C300 output modules TDOB01 and TBOB11. On the controller side, the module is controlled on a 37-pos. basis via D-SUB. A screw connection is available (marking: 1...48) on the field side. Module width: 142 mm

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 760775
GTIN	4046356760775

Technical data

Note

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

Dimensions

Width	142.3 mm
Height	142.3 mm
Depth	65 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.9 ... 1.1
Typical input current at U_N	9 mA
Typical response time	5 ms
Typical release time	7 ms
Status display/channel	Yellow LED

Active module - UM-D37SUB/M/HC3/16DO/MR/1/SI - 2903733

Technical data

Output data

Contact type	Single contact, 1-PDT
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V AC/DC
Limiting continuous current	2 A (Ambient temperature of up to 30°C per path)
Min. switching current	10 mA
Interrupting rating (ohmic load) max.	48 W (24 V DC)
	20 W (48 V DC)
	18 W (60 V DC)
	23 W (110 V DC)
	40 W (220 V DC)
	500 VA (250 V AC)

General

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

Connection data for connection 1

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

Connection data for connection 2

Connection name	Field level
Connection method	Screw connection
Screw thread	M3
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12
Number of connections	1
Number of positions	50

Supported controller

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

Standards and Regulations

Standards/regulations	DIN EN 50178

Active module - UM-D37SUB/M/HC3/16DO/MR/1/SI - 2903733

Technical data

Standards and Regulations

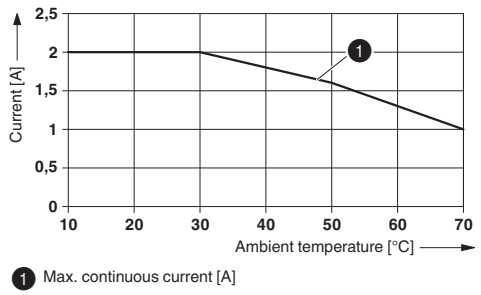
Rated insulation voltage	260 V AC
Rated surge voltage	4 kV (basic insulation)
Degree of pollution	2
Overvoltage category	III

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

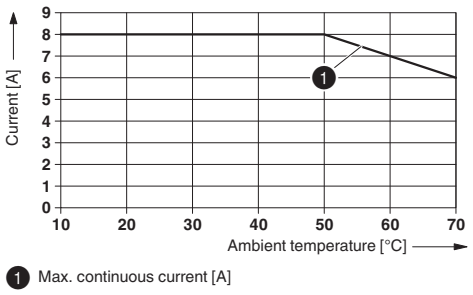
Drawings

Diagram



Derating curve: max. continuous current (per path)

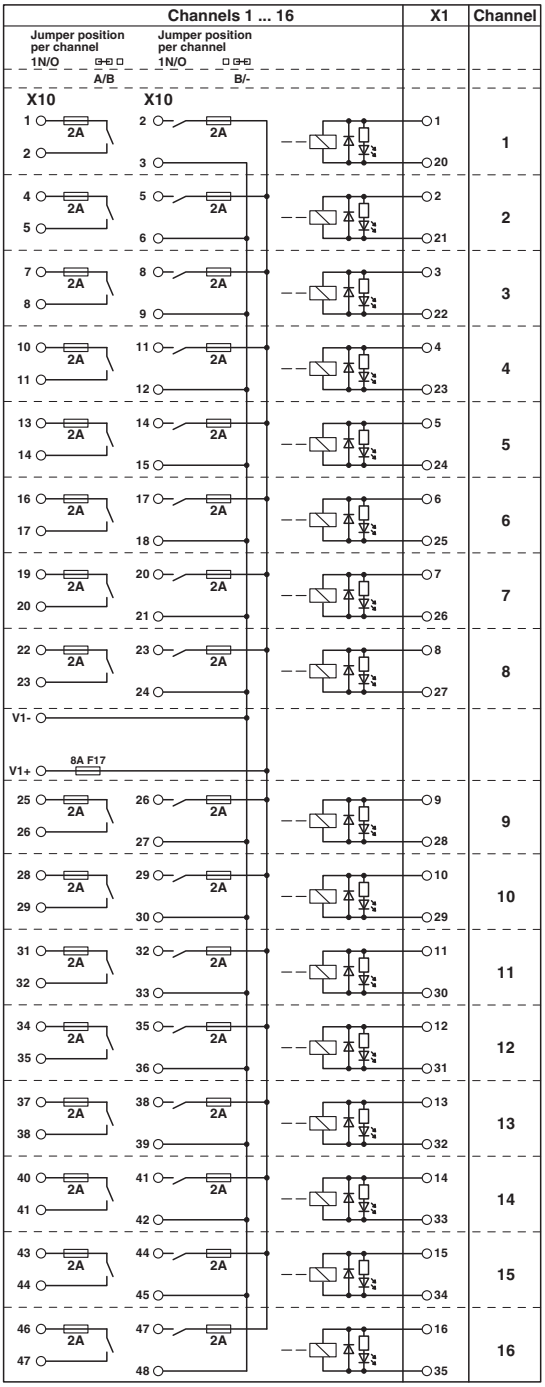
Diagram



Derating curve: max. continuous current (terminal block supply)

Active module - UM-D37SUB/M/HC3/16DO/MR/1/SI - 2903733

Circuit diagram



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