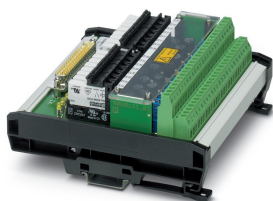


Active module - UM-D37SUB/M/HC3/16DO/MR/1/SI - 2903733


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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



Key Commercial Data

Packing unit	1 pc
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 mm
Height	142.5 mm
Depth	66 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Degree of protection	IP00

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

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

Technical data

Input data

Status display/channel	Yellow LED
------------------------	------------

Output data

Contact type	1 changeover contact
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 100 mA)
Limiting continuous current	2 A (see derating curve)
Min. switching current	100 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. 2×10^7 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
Connection method	Screw connection
Screw thread	M3
Number of connections	1
Number of positions	50
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

Supported controller

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

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

Technical data

Supported controller

	TDIL51 (non-redundant)
--	------------------------

Standards and Regulations

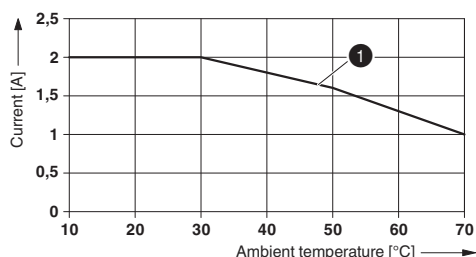
Standards/regulations	DIN EN 50178
Rated insulation voltage	260 V AC
Rated surge voltage	4 kV (Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths)
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	III

Environmental Product Compliance

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

Drawings

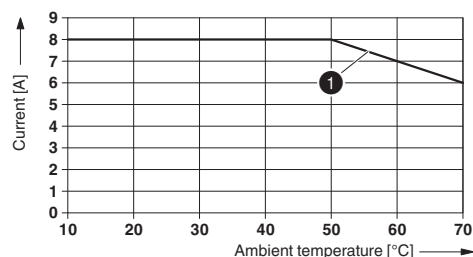
Diagram



1 Max. continuous current [A]

Derating curve: max. continuous current (per path)

Diagram

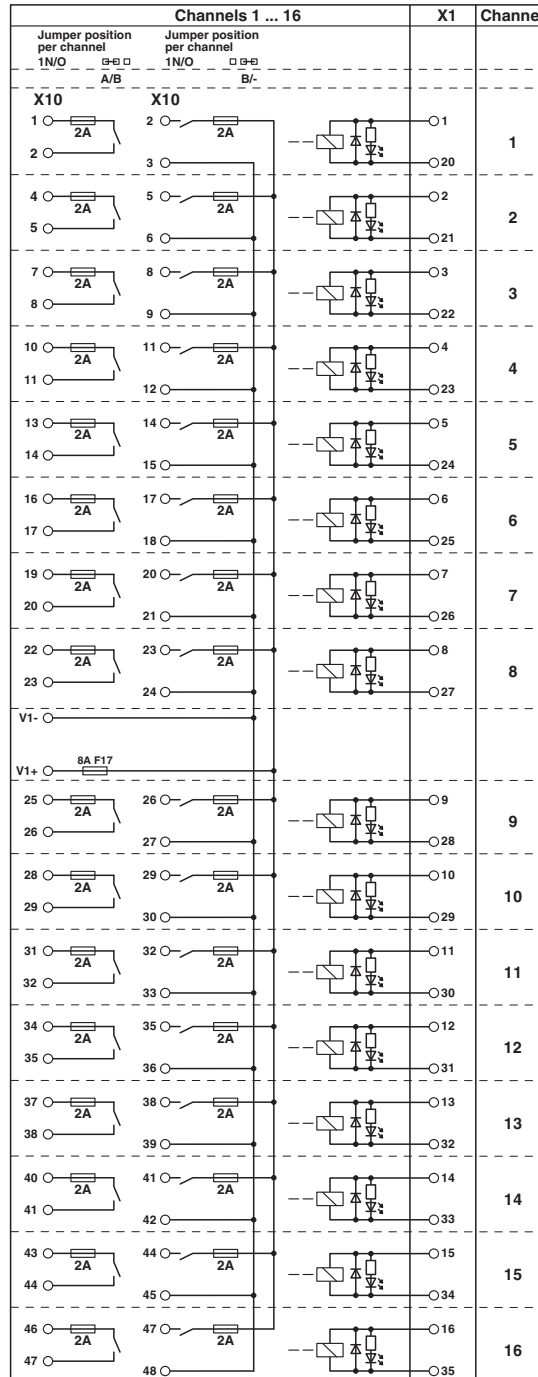


1 Max. continuous current [A]

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

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

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27141152
---------------	----------

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

Classifications

eCl@ss

eCl@ss 11.0	27141152
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27250300
eCl@ss 6.0	27242600
eCl@ss 7.0	27141152
eCl@ss 9.0	27141152

ETIM

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
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU*DE*08.B.01841/19
-----	--	---------------------

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

Accessories

Accessories

Single relay

Single relay - REL-MR- 24DC/21 - 2961105



Plug-in miniature power relay, with power contact, 1 changeover contact, input voltage 24 V DC

Phoenix Contact 2021 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>