

FLX-D37F/16RSC/24DC/DO/TDC3K - Active module



2908891

<https://www.phoenixcontact.com/us/products/2908891>

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Migration board for converting TDC3000 to modern control platforms, digital output, 16 channel with relays

Your advantages

- Panel mount to existing TDC3000 chassis
- Compatible with existing pluggable field wiring connectors
- DSUB control side connection
- Terminal blocks for power supply
- Per channel fusing

Commercial data

Item number	2908891
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK2B9H
GTIN	4055626733081
Weight per piece (including packing)	840 g
Weight per piece (excluding packing)	800 g
Customs tariff number	85371098
Country of origin	US

Technical data

Product properties

Product type	Interface module
Mechanical service life	3x 10 ⁷ cycles

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Supported controller HONEYWELL TDC3000

Suitable I/O card	TDOR12
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Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.1
Input voltage range	19.2 V DC ... 26.4 V DC
Typical input current at U_N	20 mA
Typical response time	8 ms
Typical release time	10 ms
Protective circuit	Freewheeling diode; Freewheeling diode

Output data

Switching

Contact switching type	1 changeover contact
Contact material	AgNi
Maximum switching voltage	125 V AC/DC
Minimum switching voltage	12 V
Limiting continuous current	5 A (fuse limited)
Min. switching current	10 mA (at 12 V)
Interrupting rating (ohmic load) max.	120 W (at 24 V DC)
	58 W (at 48 V DC)
	48 W (at 60 V DC)
	50 W (110 V DC)
	600 VA (120 V AC)
Error detection (line break / short-circuit)	no

Connection data

Controller level

Connection method	D-SUB 37 female connector
Number of connections	1
Number of positions	37

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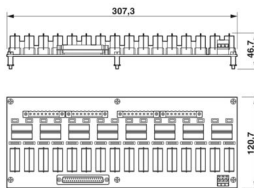
Field level

Connection method	pluggable
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Signaling

Status display present	yes
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Dimensions

Dimensional drawing	
Width	307.3 mm
Height	120.7 mm
Depth	46.7 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Altitude	< 2000 m
Permissible humidity (operation)	< 90 %

Mounting

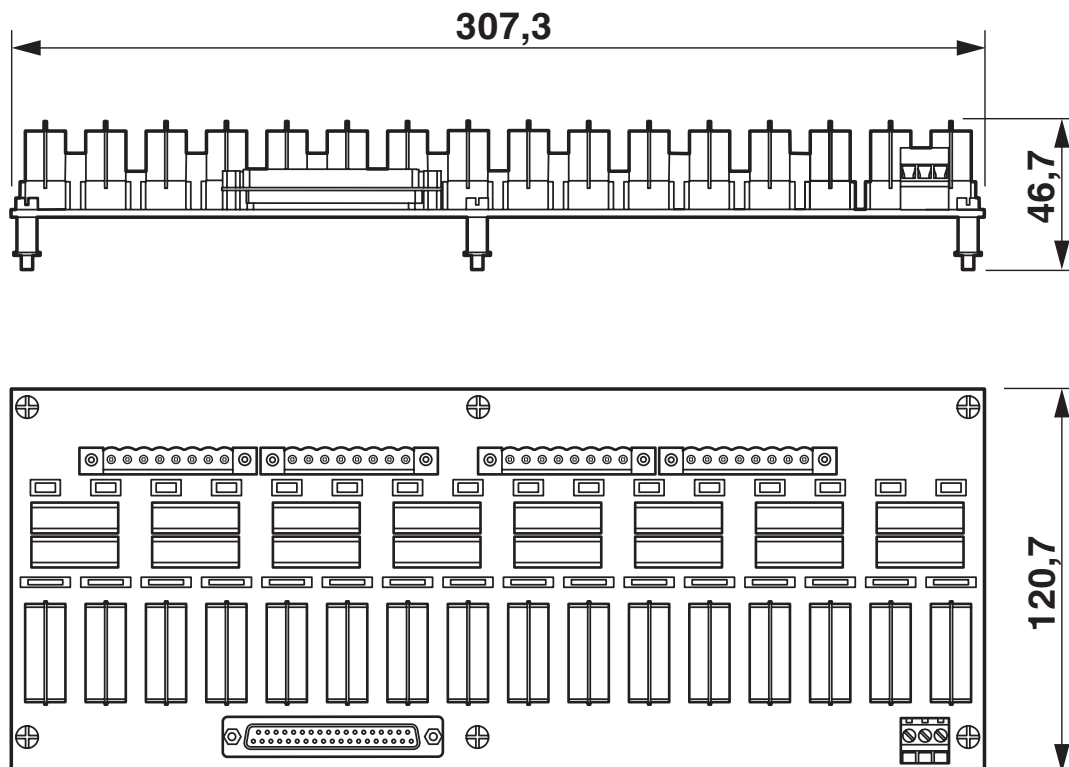
Mounting type	TDC3000 chassis
Mounting position	any

Notes

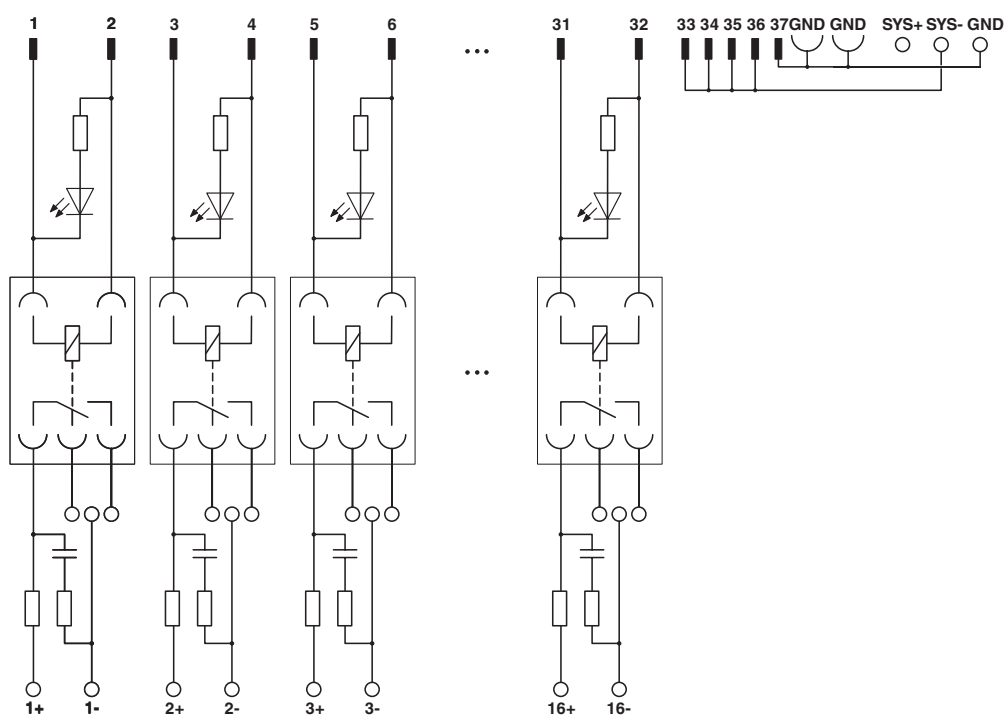
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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Drawings

Dimensional drawing



Circuit diagram



Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2908891>

 CSA Approval ID: 108860_0_000				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Output	-	5 A	-	-
Input	-	0.02 A	-	-

 cUL Recognized Approval ID: FILE E 238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Output	-	5 A	-	-
Input	-	0.02 A	-	-

 UL Recognized Approval ID: FILE E 238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Output	-	5 A	-	-
Input	-	0.02 A	-	-

 CSAus Approval ID: 108860_0_000				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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Output	-	5 A	-	-
Input	-	0.02 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 9.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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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	ff3e4447-5007-41cc-bd5f-26e0f2307dbe