

# 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 <sup>7</sup> 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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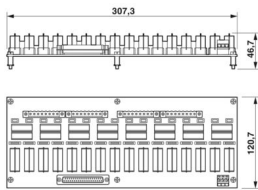
## Field level

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

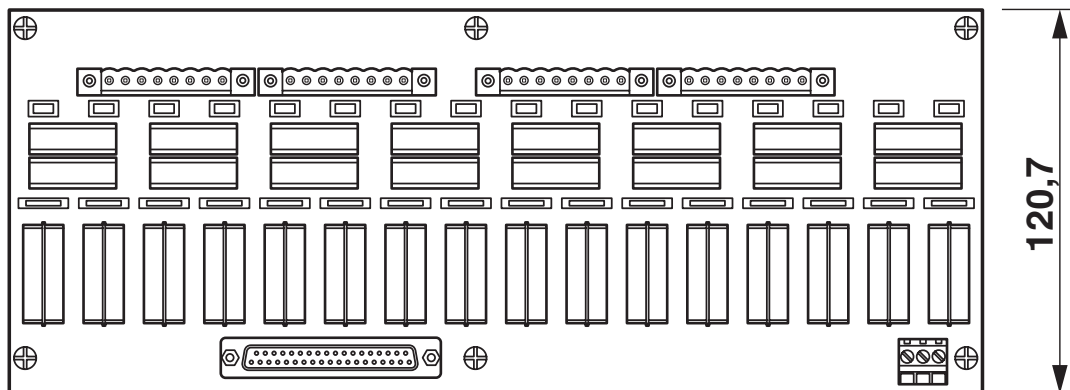
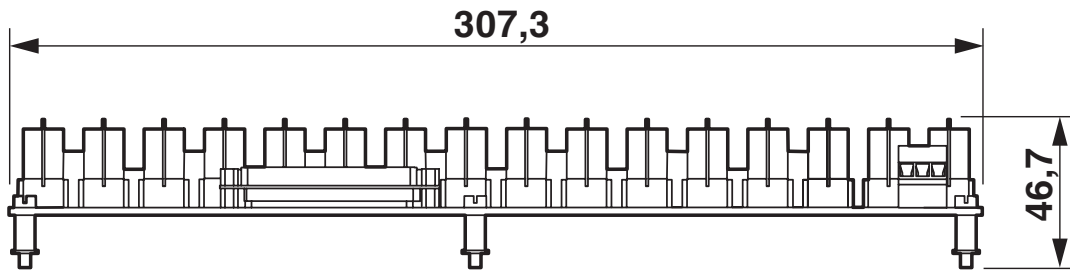
Mounting type	TDC3000 chassis
Mounting position	any

## Notes

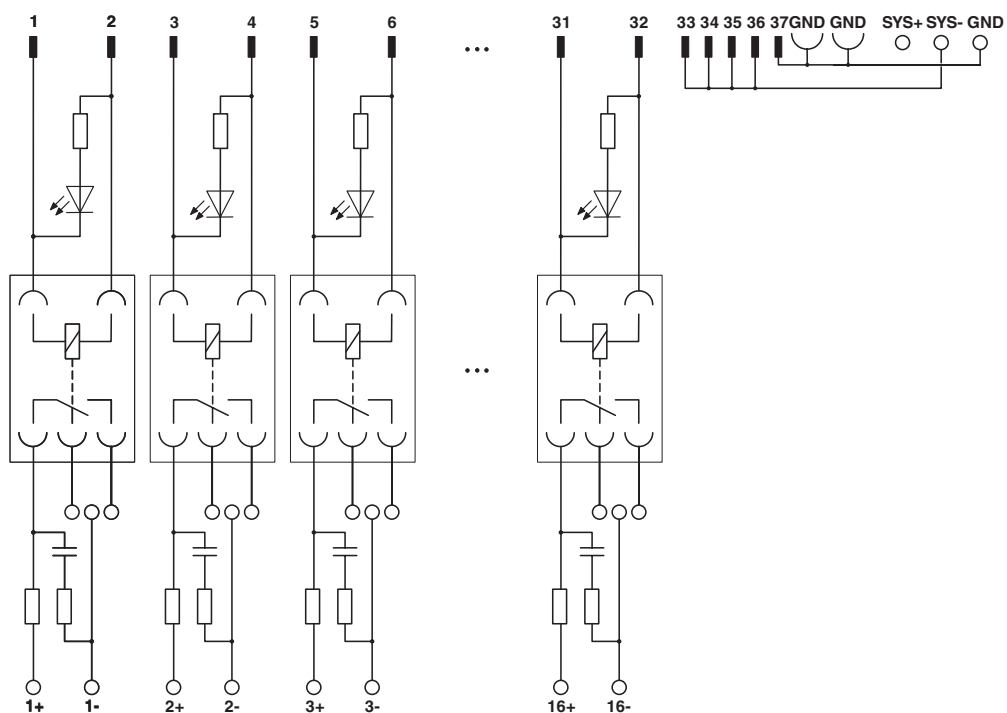
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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##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

Dimensional drawing



Circuit diagram





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## Approvals

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 <b>CSA</b> 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	-	-

 <b>cUL Recognized</b> 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	-	-

 <b>UL Recognized</b> 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	-	-

 <b>CSAus</b> 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	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	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

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Phoenix Contact USA  
 586 Fulling Mill Road  
 Middletown, PA 17057, United States  
 (+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)