

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



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
Sales key	C421
Product key	CK21B3
GTIN	4055626733081
Weight per piece (including packing)	840 g
Weight per piece (excluding packing)	800 g
Customs tariff number	85176200
Country of origin	US

Technical data

Notes

General	For proper use, the specifications of the installation directive (see Downloads) must be observed.
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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

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Controller level

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

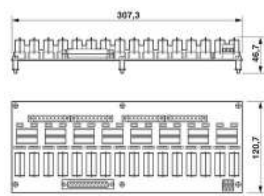
Field level

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

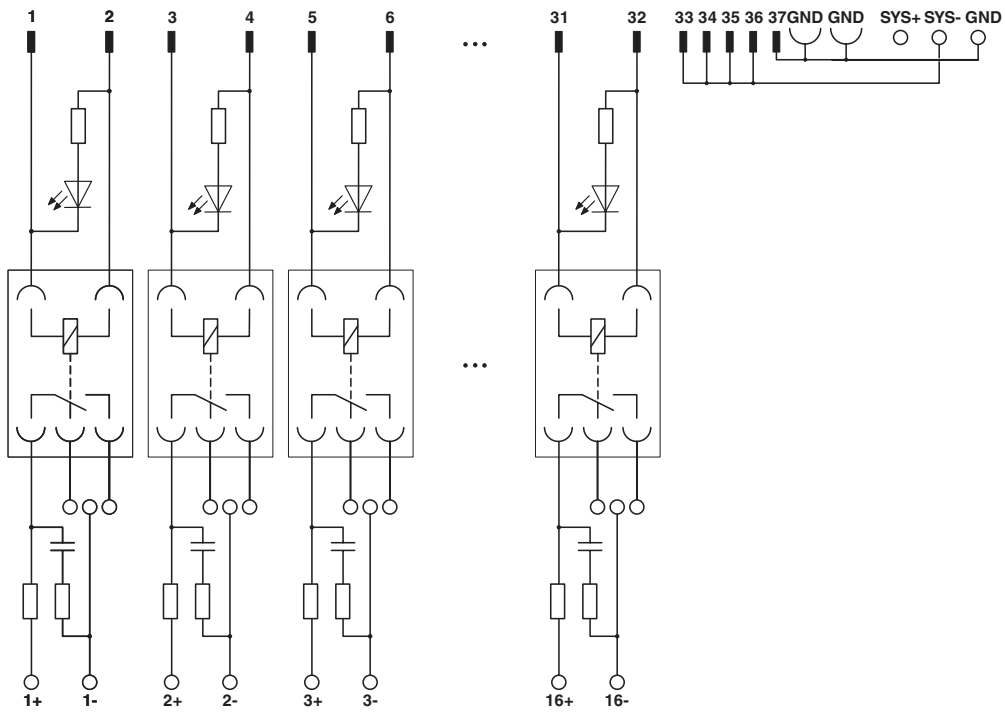
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Altitude	< 2000 m
Permissible humidity (operation)	< 90 %

Mounting

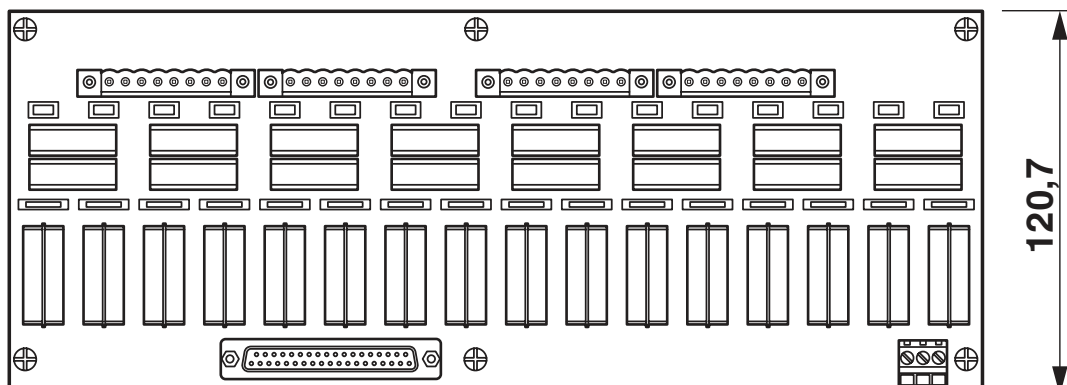
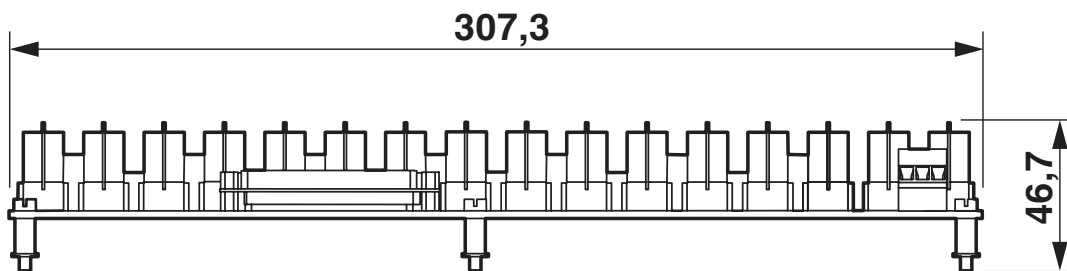
Mounting type	TDC3000 chassis
Mounting position	any

Drawings

Circuit diagram



Dimensional drawing



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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
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
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
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
Output	-	5 A	-	-
Input	-	0.02 A	-	-

cULus Recognized

cCSAus

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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

ETIM

ETIM 8.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

REACH SVHC

Lead 7439-92-1

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Accessories

CAB-DSUB37M/OE/22/S/ 1M - Cable

2909622

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 1 m

CAB-DSUB37M/OE/22/S/ 3M - Cable

2909623

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 3 m

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CAB-DSUB37M/OE/22/S/ 5M - Cable

2909624

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 5 m

CAB-DSUB37M/OE/22/S/10M - Cable

2909625

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 10 m

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CAB-DSUB37M/OE/22/S/15M - Cable

2909626

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 15 m

CAB-DSUB37M/OE/22/S/30M - Cable

2909627

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 30 m

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CAB-DSUB37M/OE/22/TP/S/ 1M - Cable

2909723

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Assembled shielded round cable; connection 1: Twisted pair (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 1 m

CAB-DSUB37M/OE/22/TP/S/ 3M - Cable

2909724

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Assembled shielded round cable; connection 1: Twisted pair (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 3 m

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CAB-DSUB37M/OE/22/TP/S/ 5M - Cable

2909725

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Assembled shielded round cable; connection 1: Twisted pair (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 5 m

CAB-DSUB37M/OE/22/TP/S/10M - Cable

2909726

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Assembled shielded round cable; connection 1: Twisted pair (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 10 m

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CAB-DSUB37M/OE/22/TP/S/15M - Cable

2909728

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Assembled shielded round cable; connection 1: Twisted pair (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 15 m

CAB-DSUB37M/OE/22/TP/S/30M - Cable

2909729

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Assembled shielded round cable; connection 1: Twisted pair (37-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 37-position); cable length: 30 m

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

2961312

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

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