

# FLX-D25F/16CH/AI/FU/SIOP/TDC3K - Interface module



1050543

<https://www.phoenixcontact.com/us/products/1050543>

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Migration board for converting TDC3000 to modern control platforms, analog input, 16 channel, fusing

## Your advantages

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

## Commercial data

Item number	1050543
Packing unit	1 pc
Sales key	C421
Product key	CK21A3
GTIN	4055626666167
Weight per piece (including packing)	378 g
Weight per piece (excluding packing)	360 g
Customs tariff number	85176200
Country of origin	US

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## Technical data

### Product properties

Product type	Interface module
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### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

Max. operating voltage $U_{\max}$	30 V DC (Power supply)
Operating voltage	30 V DC
Max. current carrying capacity per branch	250 mA (fuse limited)
Maximum power voltage feed	5 A (fuse limited)

### Supported controller HONEYWELL TDC3000

Suitable I/O card	TAIH01
	TAIH02
	TAIH03

### Connection data

#### Controller level

Connection method	D-SUB-25 female connector
Number of connections	2
Number of positions	25

#### Field level

Connection method	pluggable
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### Dimensions

#### Item dimensions

Width	152.4 mm
Height	120.7 mm
Depth	38.3 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 position	any
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### Notes

General	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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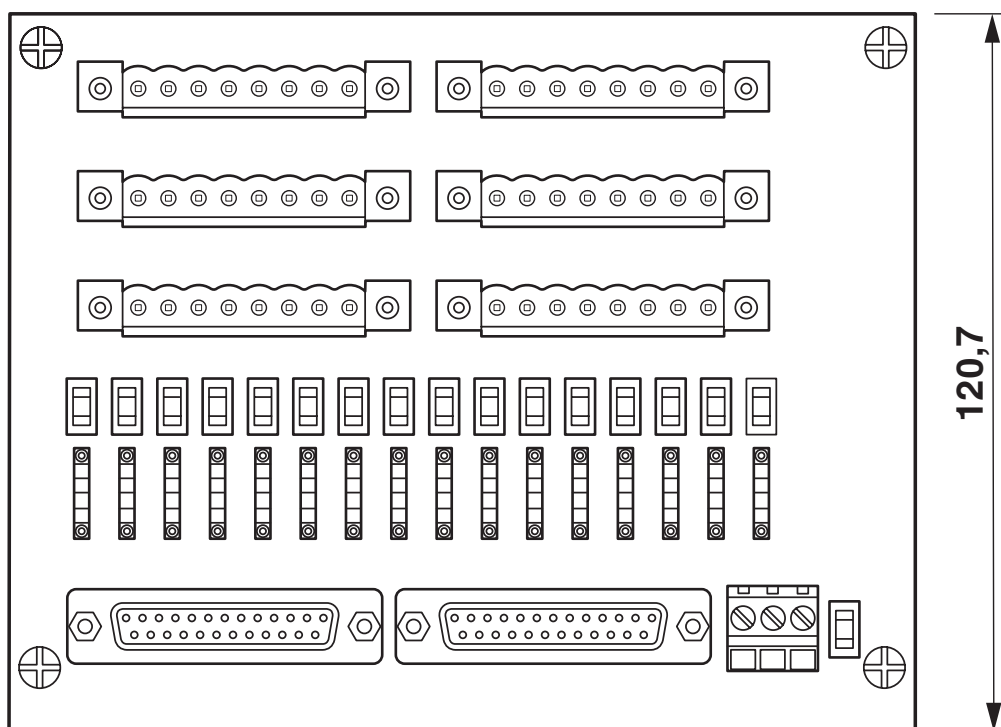
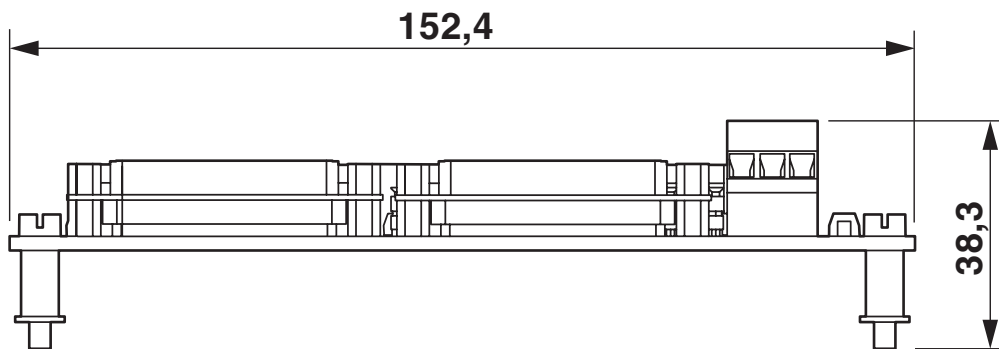


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## Drawings

Dimensional drawing



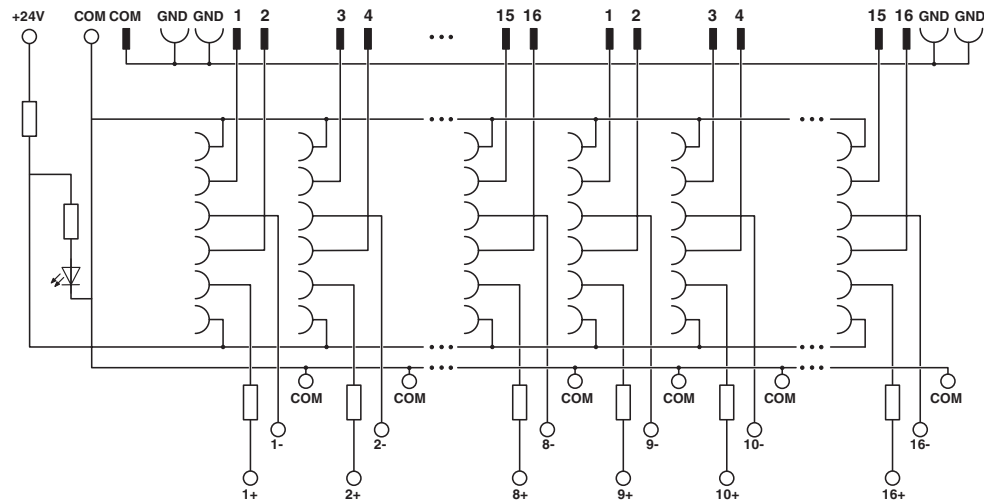
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Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1050543>

 <b>CSA</b> Approval ID: 108860_0_000				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	-	5 A	-	-
Signal	-	0.25 A	-	-
Output	-	0.25 A	-	-

 <b>cUL Recognized</b> Approval ID: FILE E 238705				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	-	5 A	-	-
Signal	-	0.25 A	-	-
Output	-	0.25 A	-	-

 <b>UL Recognized</b> Approval ID: FILE E 238705				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	-	5 A	-	-
Signal	-	0.25 A	-	-
Output	-	0.25 A	-	-

 <b>CSAus</b> Approval ID: 108860_0_000				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Power	-	5 A	-	-
Signal	-	0.25 A	-	-
Output	-	0.25 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-DSUB25M/OE/22/S/ 1M - Cable

2909752

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 1 m

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### CAB-DSUB25M/OE/22/S/ 3M - Cable

2909753

<https://www.phoenixcontact.com/us/products/2909753>



Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 3 m

# FLX-D25F/16CH/AI/FU/SIOP/TDC3K - Interface module



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## CAB-DSUB25M/OE/22/S/ 5M - Cable

2909754

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 5 m

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## CAB-DSUB25M/OE/22/S/10M - Cable

2909755

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 10 m

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## CAB-DSUB25M/OE/22/S/15M - Cable

2909757

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 15 m

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## CAB-DSUB25M/OE/22/S/30M - Cable

2909758

<https://www.phoenixcontact.com/us/products/2909758>



Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 30 m

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## CAB-DSUB25M/OE/18/S/ 1M - Cable

2909759

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 1 m

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## CAB-DSUB25M/OE/18/S/ 3M - Cable

2909760

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 3 m

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## CAB-DSUB25M/OE/18/S/ 5M - Cable

2909761

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 5 m

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## CAB-DSUB25M/OE/18/S/10M - Cable

2909762

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 10 m

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## CAB-DSUB25M/OE/18/S/15M - Cable

2909763

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 15 m

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## CAB-DSUB25M/OE/18/S/30M - Cable

2909764

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Assembled shielded round cable; connection 1: Single wires (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 30 m

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## CAB-DSUB25M/OE/22/TP/S/ 1M - Cable

2909606

<https://www.phoenixcontact.com/us/products/2909606>



Assembled shielded round cable; connection 1: Twisted pair (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 1 m

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## CAB-DSUB25M/OE/22/TP/S/ 3M - Cable

2909607

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Assembled shielded round cable; connection 1: Twisted pair (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 3 m

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## CAB-DSUB25M/OE/22/TP/S/ 5M - Cable

2909608

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Assembled shielded round cable; connection 1: Twisted pair (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 5 m

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## CAB-DSUB25M/OE/22/TP/S/10M - Cable

2909609

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Assembled shielded round cable; connection 1: Twisted pair (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 10 m



# FLX-D25F/16CH/AI/FU/SIOP/TDC3K - Interface module



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## CAB-DSUB25M/OE/22/TP/S/15M - Cable

2909610

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Assembled shielded round cable; connection 1: Twisted pair (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 15 m

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## CAB-DSUB25M/OE/22/TP/S/30M - Cable

2909611

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Assembled shielded round cable; connection 1: Twisted pair (25-position) (The wires are marked and fitted with ferrules); connection 2: D-SUB pin strip (1x 25-position); cable length: 30 m

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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)