# FLX-D25F/16CH/AI/FU/SIOP/TDC3K - Termination board

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
- Compatable 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 |
| Minimum order quantity | 1 pc |
| Sales key | C421 |
| Product key | DK2B8H |
| GTIN | 4055626666167 |
| Weight per piece (including packing) | 389.4 g |
| Weight per piece (excluding packing) | 360 g |
| Customs tariff number | 85371098 |
| Country of origin | US |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Interface module |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | II |
| Pollution degree | 2 |

### Electrical properties

| | |
|---|---|
| Operating voltage $U_{max}$ (DC) | ≤ 30 V DC (Power supply) |
| Current (per branch) | ≤ 250 mA (fuse limited) |
| Current (Voltage supply) | ≤ 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 |

### 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

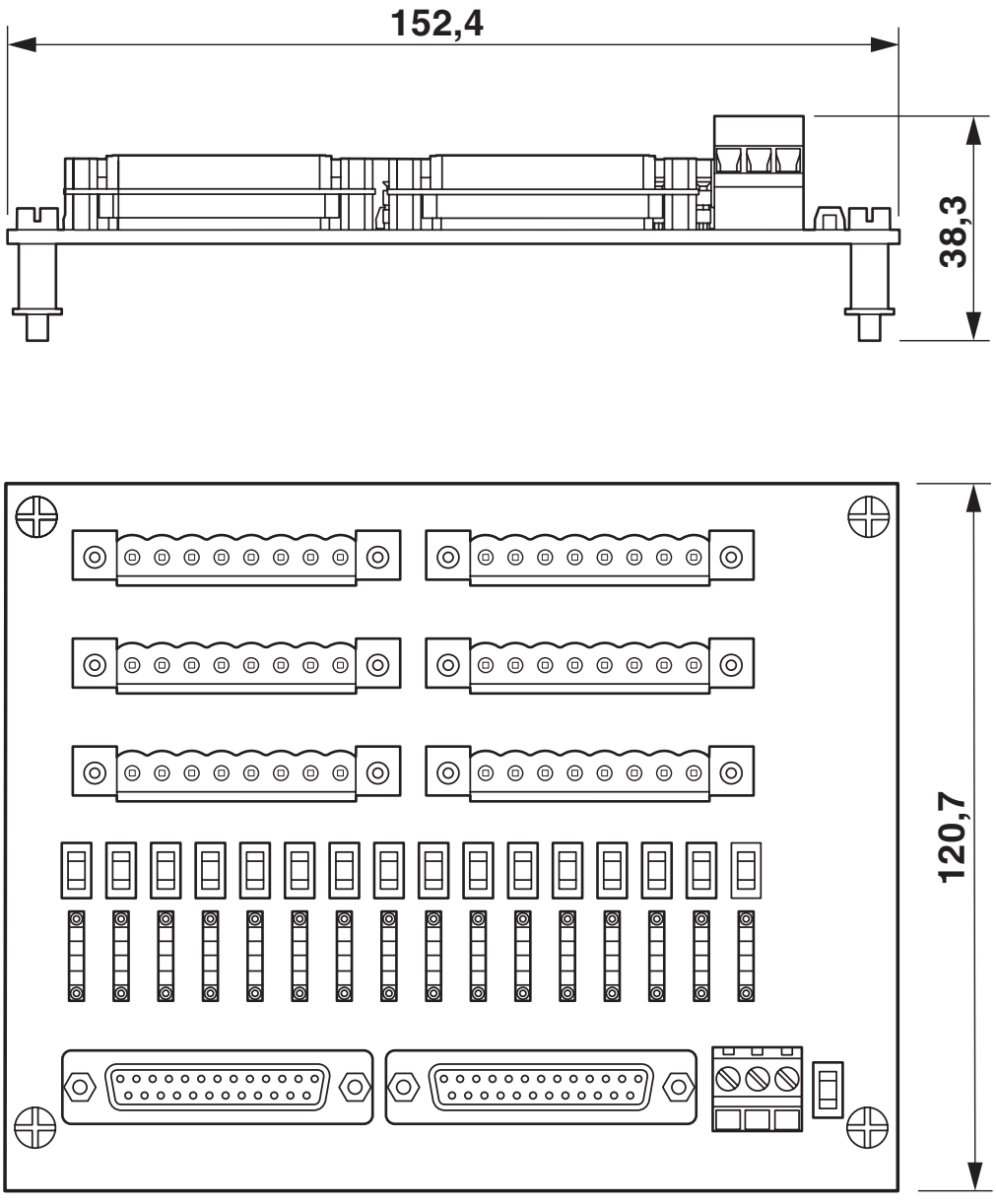
| | |
|---|---|
| Mounting position | any |

## Notes

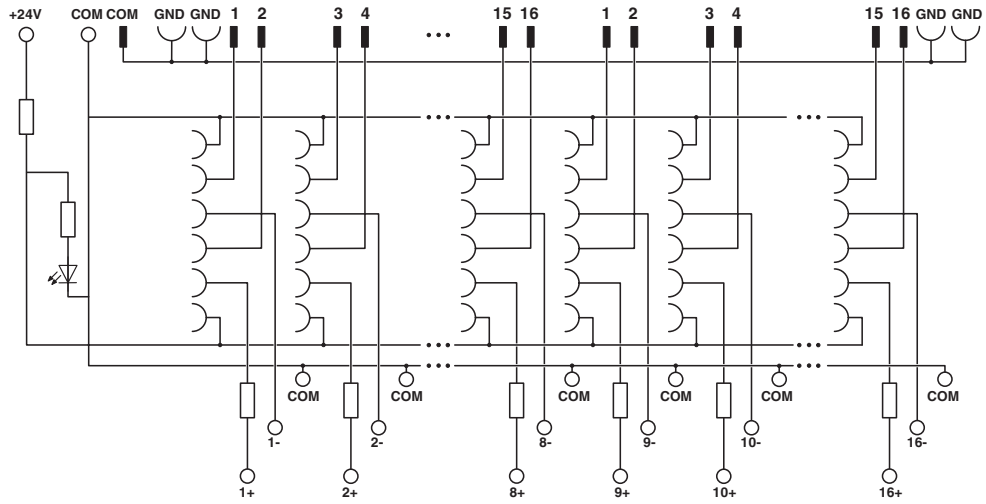
| | |
|---|---|
| Notes on operation | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also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

## Drawings

Dimensional drawing



## Circuit diagram



## Approvals

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

**CSA**
Approval ID: 108860_0_000

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| Power | - | 5 A | - | - |
| Signal | - | 0.25 A | - | - |
| Output | - | 0.25 A | - | - |

**cUL Recognized**
Approval ID: FILE E 238705

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| Power | - | 5 A | - | - |
| Signal | - | 0.25 A | - | - |
| Output | - | 0.25 A | - | - |

**UL Recognized**
Approval ID: FILE E 238705

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| Power | - | 5 A | - | - |
| Signal | - | 0.25 A | - | - |
| Output | - | 0.25 A | - | - |

**CSAus**
Approval ID: 108860_0_000

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| Power | - | 5 A | - | - |
| Signal | - | 0.25 A | - | - |
| Output | - | 0.25 A | - | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27141152 |
| ECLASS-15.0 | 27141152 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002780 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c), 7(a), 7(c)-I |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | bf17f172-1703-4c7b-ac8b-2b3e14edfe0e |

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