

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 |
|-------------------|--------|

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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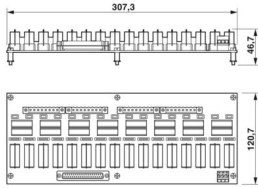
Field level

| | |
|-------------------|-----------|
| Connection method | pluggable |
|-------------------|-----------|

Signaling

| | |
|------------------------|-----|
| Status display present | yes |
|------------------------|-----|

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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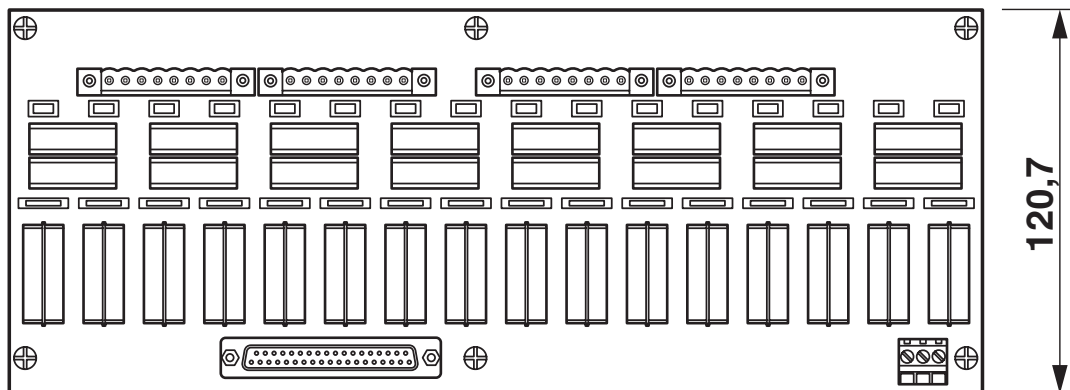
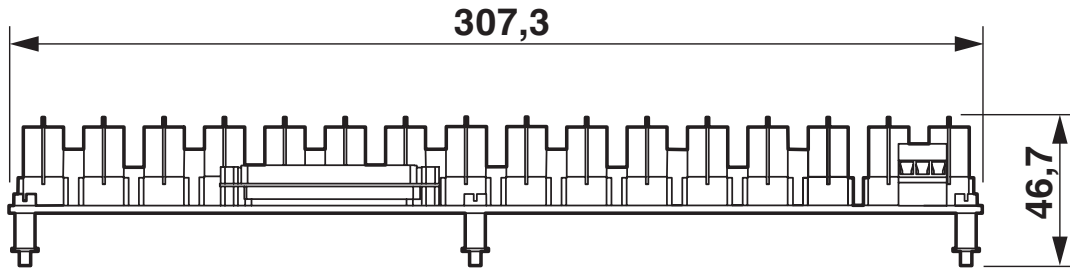


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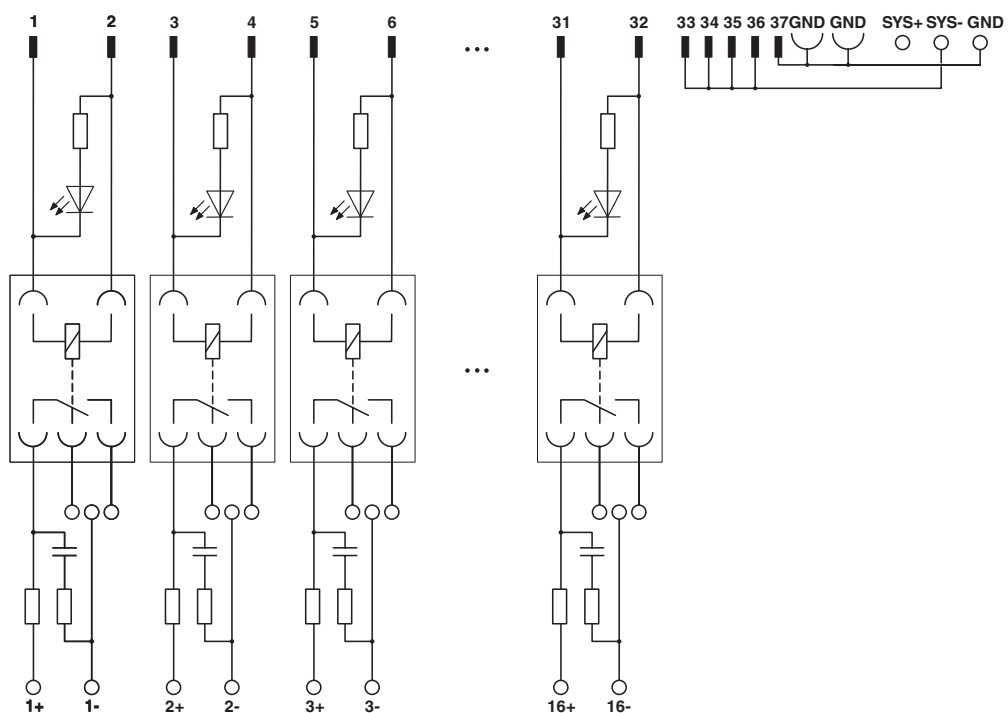
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Drawings

Dimensional drawing



Circuit diagram



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Approvals

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|  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 |
| 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 |
|-----------|----------|

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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