

QPD W4X2,5 M25 FC GY - Panel feed-through



1424010

<https://www.phoenixcontact.com/us/products/1424010>

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Panel feed-through, connection method: Spade connection, M25, Pin, 1 mm² ... 2.5 mm², 690 V, 20 A, PA, gray, without QUICKON nut, coding: coded, 2.5 mm²

Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Robust throughout: housing with IP68/IP69K and IK07 protection for a wide range of applications
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105
- Efficient - by using panel feed-throughs, devices no longer need to be opened in order to connect cables

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1424010 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF50 |
| Product key | AF6ABB |
| GTIN | 4055626366258 |
| Weight per piece (including packing) | 22.22 g |
| Weight per piece (excluding packing) | 22.22 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

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Technical data

Product properties

| | |
|------------------------------------|--------------------|
| Product type | Panel feed-through |
| Product family | QPD |
| Type | QPD 4x2,5 |
| Number of positions | 4 |
| Position marking | 1, 2, 3, 4 |
| Number of connections | 10 |
| Number of connections per position | 1 |
| Coding | coded |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Connection data

Connection technology

| | |
|---|------------------|
| Connection method On the device side | Spade connection |
| Frequency of connections between conductors of the same cross section | max. 10 |

Conductor connection

| | |
|----------------------------------|---|
| Conductor cross-section flexibel | 1 mm ² ... 2.5 mm ² |
| Conductor cross-section solid | 1 mm ² ... 2.5 mm ² |
| Connection cross section AWG | 16 ... 14 |
| Tightening torque Union nut | 10 Nm |
| Tightening torque Locking nut | 5 Nm |

Dimensions

| | |
|---------------------|---------|
| Dimensional drawing | |
| Width | 30 mm |
| Height | 30 mm |
| Length | 47.7 mm |
| Diameter | 30 mm |

Electrical properties

| | |
|-----------------------------|------|
| Rated surge voltage (II/2) | 6 kV |
| Rated surge voltage (III/2) | 6 kV |
| Rated surge voltage (III/3) | 6 kV |
| Rated current | 20 A |

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| | |
|-----------------------|----------|
| Contact resistance | < 3 mΩ |
| rated voltage (II/2) | 1000 V |
| rated voltage (III/2) | 690 V |
| Rated voltage (III/3) | 690 V |
| Nominal voltage U_N | 690 V AC |
| | 690 V DC |
| Nominal current I_N | 20 A |

Mechanical properties

Mechanical data

| | |
|-----------------------------|---------|
| Insertion/withdrawal cycles | max. 50 |
|-----------------------------|---------|

Material specifications

| | |
|--|-----------------------|
| Color | light gray (RAL 7035) |
| Material Housing | PA |
| Material Contact | Cu |
| Material Contact surface | silver-plated |
| Flammability rating according to UL 94 | V0 |
| Material wire insulation | PVC/PE/TPE/rubber |

Cable/line

| | |
|---|------------------------------------|
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 class 1 to 6/min. 0.15 mm |
| Wire diameter including insulation | 2 mm ... 3.6 mm |
| Position marking | 1, 2, 3, 4 |
| Cable cross section | 2.5 mm ² |
| Material wire insulation | PVC/PE/TPE/rubber |
| Halogen-free | yes |

Mounting

| | |
|---------------|--------------------|
| Mounting type | Front mounting M25 |
|---------------|--------------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|--|
| Degree of protection | IP66 |
| | IP68 (2 m / 24 h) |
| | IP69K |
| | Touch-proof when not plugged in (IP2X) |
| Impact strength | IK07 |
| Ambient temperature (operation) | -40 °C ... 100 °C |
| Temperature when conductor connected | -5 °C ... 50 °C |
| Ambient temperature (storage/transport) | -40 °C ... 100 °C |

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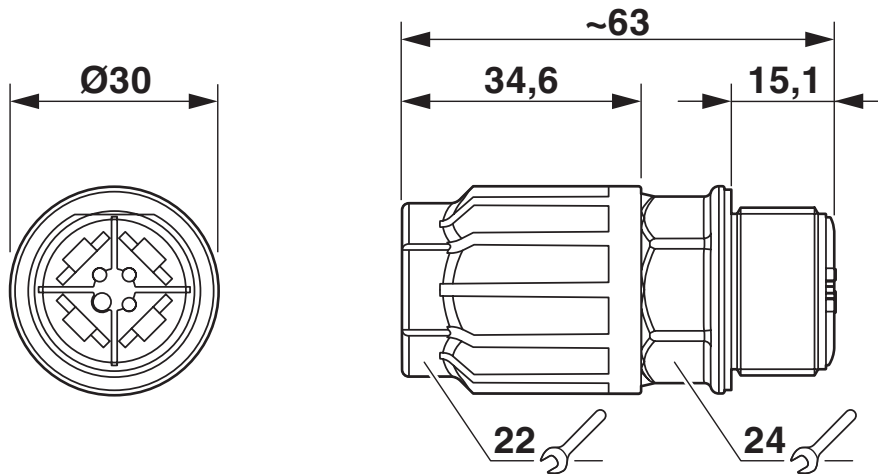


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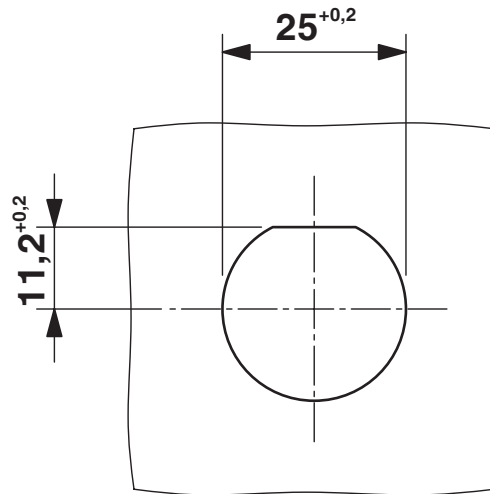
<https://www.phoenixcontact.com/us/products/1424010>

Drawings

Dimensional drawing



Dimensional drawing



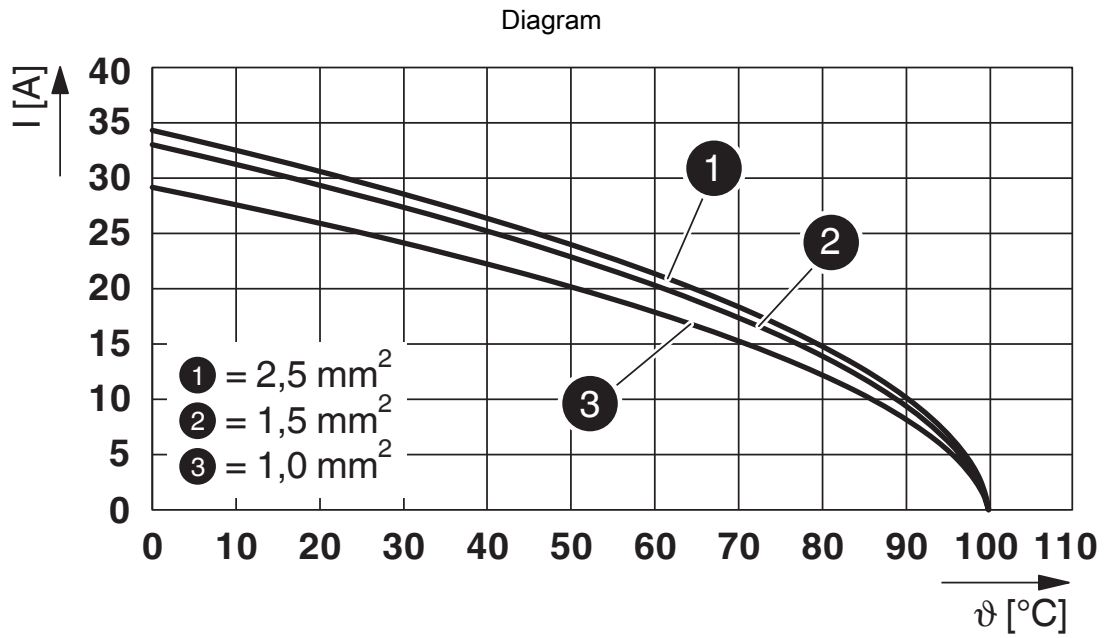
Panel cutout

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Derating diagram

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440602 |
| ECLASS-15.0 | 27440602 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002566 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121500 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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