

PSM-SET-FSMA-LINK/2 - FO coupling

2799416

<https://www.phoenixcontact.com/us/products/2799416>

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Coupling; set consisting of 2 couplings for connecting F-SMA plugs



Your advantages

- High reliability with comprehensive quality assurance measures
- Optimized precision (stability) with the use of ceramic sleeves
- Future-proof, thanks to RoHS 2 conformity
- Tailored for compatibility with the DIN rail adapters

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2799416 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB16 |
| Product key | ABNIDA |
| GTIN | 4017918118396 |
| Weight per piece (including packing) | 13 g |
| Weight per piece (excluding packing) | 10.66 g |
| Customs tariff number | 85367000 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------------|-------------|
| Product type | Data plug |
| Application | FO coupling |
| Type | FSMA |
| Sensor type | Ethernet |
| Number of positions | 2 |
| Connection profile | FSMA |

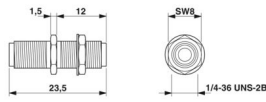
Electrical properties

| | |
|---------------------|--------|
| Attenuation | < 2 dB |
| Transmission medium | FO |

Connection data

| | |
|-------------------|----------|
| Connection method | Coupling |
|-------------------|----------|

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Depth | 23.5 mm |
| Hole diameter | 6.75 mm |

Material specifications

| | |
|--|---------------|
| Color | Bare metallic |
| Color of the housing part | silver |
| Material | Die-cast zinc |
| Flammability rating according to UL 94 | V0 |
| Housing material | Metal |
| Housing surface material | metal-plated |
| Contact surface material | Gold |

Cable/line

| | |
|---------------------------------------|----------------|
| Cable type | Fiberglass |
| External sheath, color | silver-colored |
| Tensile strength short-term/long-term | 40 N |
| Resistance to oil | yes |

FO cable

| | |
|------------------|---------------|
| Number of fibers | 2 |
| Fiber type | GOF, PCF, POF |

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| | |
|-------------|----------|
| Attenuation | ≤ 1.5 dB |
|-------------|----------|

Mechanical properties

| | |
|---------------------------------------|------|
| Tensile strength short-term/long-term | 40 N |
|---------------------------------------|------|

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

Characteristics

| | |
|-------------|--------|
| Attenuation | < 2 dB |
|-------------|--------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Degree of protection | IP20 |
| | IP20 |
| Ambient temperature (operation) | -25 °C ... 85 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Ambient temperature (assembly) | -5 °C ... 50 °C |
| Resistance to UV radiation | yes |
| Resistance to oil | yes |

Standards and regulations

| | |
|-------------------|-----|
| Resistance to oil | yes |
|-------------------|-----|

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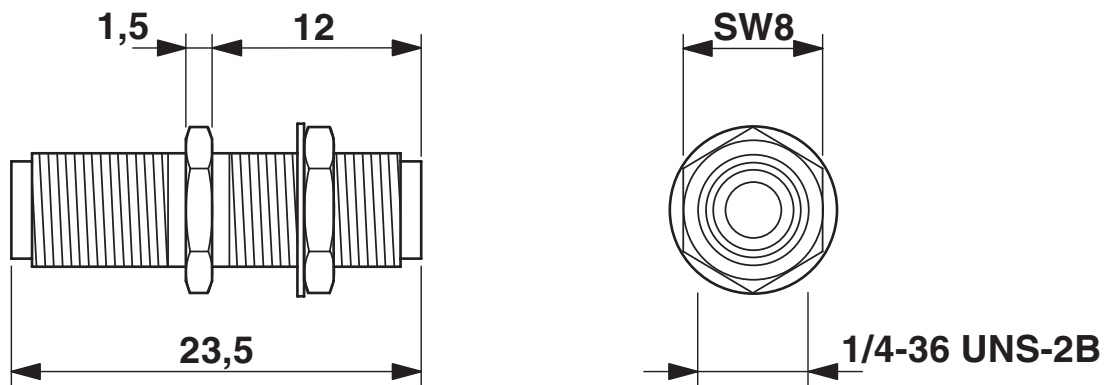


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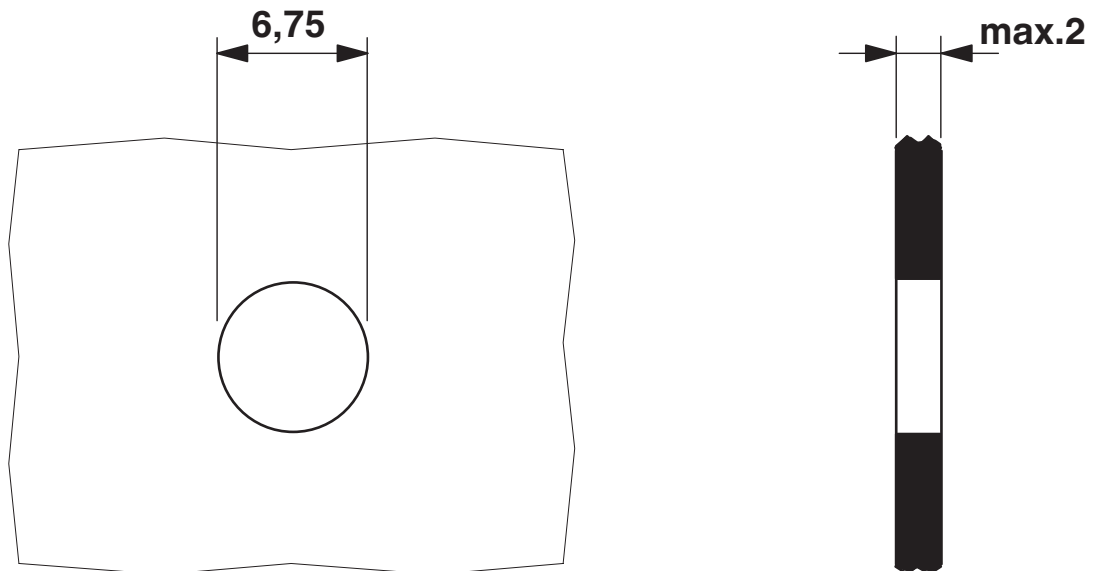
Drawings

Dimensional drawing



Dimensional drawing F-SMA coupling

Drilling plan/solder pad geometry



Drilling diagram F-SMA panel feed-through

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 19170116 |
| ECLASS-15.0 | 19170116 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000752 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 43223300 |
|-------------|----------|

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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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