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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
Catalog page	Page 380 (C-2-2019)
GTIN	4017918118396
Weight per piece (including packing)	13 g
Weight per piece (excluding packing)	6.5 g
Customs tariff number	85367000
Country of origin	DE

PSM-SET-FSMA-LINK/2 - Fiber optic coupling



2799416

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

Technical data

Product properties

Product type	Female insert
Application	Fiber optic coupling
Type	FSMA
Sensor type	Ethernet
Number of positions	2
Connection profile	FSMA
Type	Socket

Electrical properties

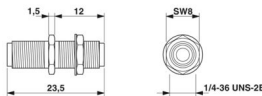
Attenuation	< 2 dB
Transmission medium	FO

Connection data

Connection technology

Connection method	Coupling
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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

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Number of fibers	2
Fiber type	GOF, PCF, POF
Attenuation	≤ 1.5 dB

Mechanical properties

Tensile strength short-term/long-term	40 N
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Mechanical data

Insertion/withdrawal cycles	≥ 500
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Characteristics

Attenuation	< 2 dB
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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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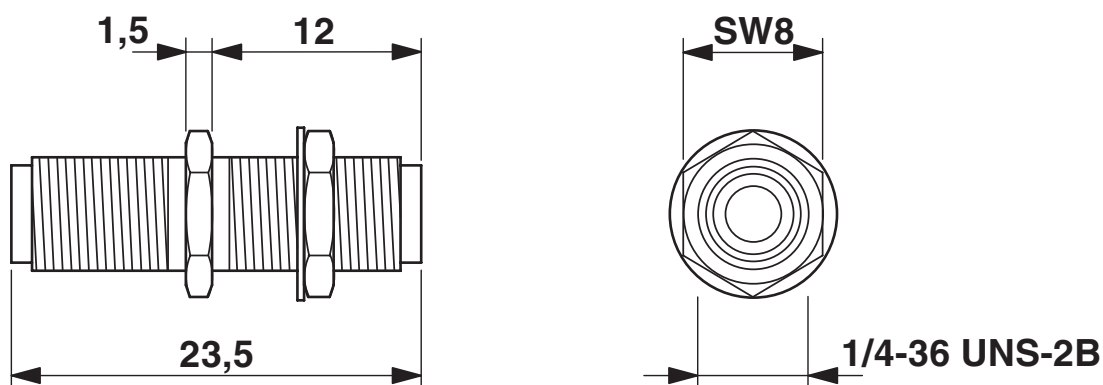
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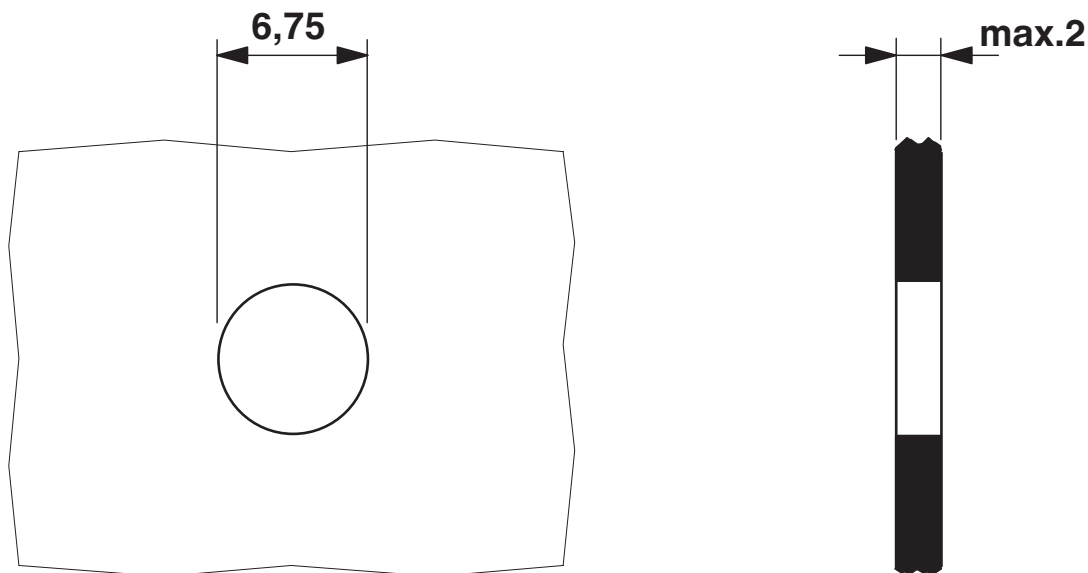
Drawings

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-11.0	19170116
ECLASS-12.0	19170116
ECLASS-13.0	19170116

ETIM

ETIM 9.0	EC000752
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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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Accessories

PSM-SET-BFOC-LINK/2 - Fiber optic coupling

2799429

<https://www.phoenixcontact.com/us/products/2799429>

Coupling; set consisting of 2 couplings for connecting B-FOC plugs



VS-SCRJ-GOF-BU/BU - SC-RJ female insert

1652978

<https://www.phoenixcontact.com/us/products/1652978>



SC-RJ socket insert, duplex, for VS-A-F-IP67 panel mounting frame, can be used for fiberglass (multi-mode and single mode), PCF, and polymer fibers

PSM-SET-FSMA-LINK/2 - Fiber optic coupling

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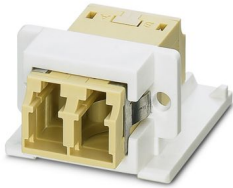


FL MM PATCH COUPLER LC-LC - Fiber optic coupling

2700312

<https://www.phoenixcontact.com/us/products/2700312>

Coupling, LC/LC, can be used for multi-mode glass fibers

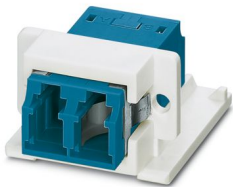


FL SM PATCH COUPLER LC-LC - Fiber optic coupling

2700313

<https://www.phoenixcontact.com/us/products/2700313>

Coupling, LC/LC, can be used for single mode glass fibers



PSM-SET-FSMA-LINK/2 - Fiber optic coupling

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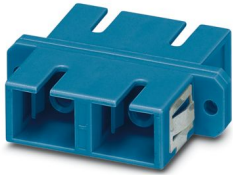
<https://www.phoenixcontact.com/us/products/2799416>



FL COUPLER SC-DUPLEX - Fiber optic coupling

2901788

<https://www.phoenixcontact.com/us/products/2901788>



Coupling, SC duplex/SC duplex, compatible with multi-mode and single mode glass fibers, PCF, and polymer fibers

PSM-SET-FSMA/4-HCS - FO connectors

2799487

<https://www.phoenixcontact.com/us/products/2799487>



FO connectors, degree of protection: IP20, number of positions: 2, MM, material: Metal, connection method: Cable connection, cable outlet: straight

PSM-SET-FSMA-LINK/2 - Fiber optic coupling

2799416

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PSM-SET-FSMA/4-KT - FO connectors

2799720

<https://www.phoenixcontact.com/us/products/2799720>

FO connectors, degree of protection: IP20, number of positions: 2, MM, material:
Metal, cable outlet: straight



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