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

2799487

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

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

Your advantages

- Suitable for quick and easy field assembly or repair
- Flexible application, thanks to reusable connector
- Outstanding transmission properties
- Ideal for PCF step-index (SI) fibers
- Robust design, thanks to F-SMA pin connector pattern
- No bonding or polishing

Commercial Data

Item number	2799487
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	AB15
Product Key	ABNIAB
Catalog Page	Page 376 (C-2-2019)
GTIN	4017918126742
Weight per Piece (including packing)	37.9 g
Weight per Piece (excluding packing)	37.06 g
Customs tariff number	85367000
Country of origin	DE

Technical Data

Product properties

Type	FSMA
Product type	Data connector (cable side)
Number of positions	2
Locking type	Screw locking
Cable outlet	straight

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Attenuation	≥ 2 dB (Insertion attenuation)
Transmission medium	FO
Transmission characteristics (category)	MM

Connection data

Connection technology

Connection method	Cable connection

Dimensions

Width	8.1 mm
Length	83 mm

Material specifications

Material	Metal
Housing material	Metal

Cable/line

Cable type	PCF 200/230
Cable type	Single wires
External cable diameter	2.9 mm ... 2.9 mm
Individual wire diameter	2.9 mm

FO cable

Fiber	200/230 µm
Fiber type	PCF
Transmission medium	FO

Characteristics

Attenuation	≥ 2 dB (Insertion attenuation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Ambient temperature (assembly)	0 °C ... 50 °C

Mounting

Mounting type	For field assembly
cable layer type	Indoors
Connection method	Cable connection

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2799487

	EAC Approval ID: B.01687

Classifications

ECLASS

ECLASS-11.0	19170122
ECLASS-12.0	19170122
ECLASS-13.0	19170122

ETIM

ETIM 8.0	EC001122

UNSPSC

UNSPSC 21.0	43223300

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Mandatory Accessories
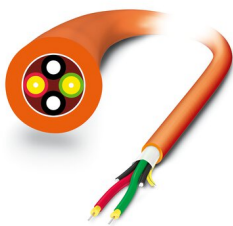
PSM-HCS-KONFTOOL - Assembly tool

PCF assembly kit for F-SMA quick mounting connectors, including stripping blade, stripping pliers, aramide yarn scissors, fiber stripper, microscope, fiber cleaving tool for standard HCS fibers, four F-SMA connectors for standard PCF fibers, and documentation

Accessories

PSM-LWL-HCS-RUGGED-200/230 - FO cable

PCF cable, duplex 200 μm/230 μm, by the meter without male connector, for installation in stationary systems and machines

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PSM-LWL-HCSO-200/230 - FO cable

2799445

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PCF cable, duplex 200/230 μm, by the meter, without connector, for outdoor installation

FOC-HCS-RUGGED-1014/IP20/... - FO patch cable

2901555

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Robust PCF installation cable for assembly (IP20 heads only) for installation in stationary systems and machines, aramid strain relief elements, with individual elements made from FRNC material, halogen-free, ozone and UV resistant, with a polyurethane (PUR) outer sheath

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

2799416

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