

FOC-I-D1PGN-S/LCGCSM - FO coupling



1041780

<https://www.phoenixcontact.com/us/products/1041780>

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FO coupling, design: LC, degree of protection: IP20, number of positions: 2, material: Plastic, connection method: Coupling, cable outlet: straight

Product description

LC-duplex coupling, single mode APC, suitable for single mode and multimode applications, integrated self-closing metal laser protection flaps, guide sleeve made of zirconia (ceramic)

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
- Assembly without special tools

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1041780 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB16 |
| Product key | ABNIDA |
| GTIN | 4055626599922 |
| Weight per piece (including packing) | 7.5 g |
| Weight per piece (excluding packing) | 7.4 g |
| Customs tariff number | 85367000 |
| Country of origin | CN |

Technical data

Notes

| | |
|--------------------|--|
| Notes on operation | For integration into DIN rail adapter NBC-PP-G1PGY |
|--------------------|--|

Product properties

| | |
|----------------------|-----------|
| Product type | Data plug |
| Type | LC |
| Number of positions | 2 |
| Connection profile | LC |
| No. of cable outlets | 2 |
| Number of slots | 2 |
| Protective cover | yes |
| Cable outlet | straight |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 2 |

Electrical properties

| | |
|-----------------------|--------|
| Rated surge voltage | 0.8 kV |
| Nominal current I_N | 0.5 A |
| Transmission medium | FO |

Connection data

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

Material specifications

| | |
|--|-------------------|
| Color of the housing part | green |
| Flammability rating according to UL 94 | V0 |
| Ferrule material | Zirconia ceramics |
| Housing material | Plastic |

Cable/line

| | |
|---------------------------------------|----------------|
| Cable type | Fiberglass |
| External sheath, color | silver-colored |
| Tensile strength short-term/long-term | 40 N |
| Resistance to oil | no |

FO cable

| | |
|------------------|----------|
| Number of fibers | 2 |
| Attenuation | ≤ 0.2 dB |

Mechanical properties

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

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Mechanical data

| | |
|-------------------------------------|--------|
| Insertion/withdrawal cycles | ≥ 500 |
| Extraction force per signal contact | ≥ 70 N |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|------------------|
| Degree of protection | IP20 |
| | IP20 |
| Ambient temperature (operation) | -10 °C ... 70 °C |
| Resistance to UV radiation | no |
| Resistance to oil | no |

Standards and regulations

| | |
|-------------------|----|
| Resistance to oil | no |
|-------------------|----|

Mounting

| | |
|---------------|---------|
| Mounting type | Snap in |
|---------------|---------|

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Classifications

ECLASS

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

ETIM

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

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

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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% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 2.111 kg CO2e |
|---------|---------------|

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