# FOC-I-D1PGY-S/MPBGC - FO coupling

1041840

https://www.phoenixcontact.com/us/products/1041840

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800 V
IEC



FO coupling, FSMA, Ethernet, 2-position, connection method: Coupling, material: Plastic, degree of protection: IP20

## 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
- Flexible use, thanks to DIN rail and direct mounting
- Space-saving design
- With dust protection caps

## Commercial data

| | |
|---|---|
| Item number | 1041840 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB16 |
| Product key | ABNIDA |
| GTIN | 4055626598680 |
| Weight per piece (including packing) | 6.4 g |
| Weight per piece (excluding packing) | 7.9 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 | FSMA |
| Number of positions | 2 |
| Connection profile | MTP: type B |
| No. of cable outlets | 2 |
| Number of slots | 1 |
| 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 |

## Interfaces

| | |
|---|---|
| Signal type/category | Ethernet |

## Material specifications

| | |
|---|---|
| Color of the housing part | beige |
| Flammability rating according to UL 94 | V0 |
| Housing material | Plastic |
| Contact material | Copper alloy |

## 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 |

## Mechanical properties

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

Mechanical data

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

## 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 |

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## 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 | 3.754 kg CO2e |


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