



Pushing Performance  
Since 1945

# PFT M12 IDC shielded D-cod. 4pol. male



Image is for illustration purposes only. Please refer to product description.

Part number	21 03 381 1425
Specification	PFT M12 IDC shielded D-cod. 4pol. male
HARTING eCatalogue	<a href="https://harting.com/21033811425">https://harting.com/21033811425</a>

## Identification

Category	Connectors
Series	Circular connectors M12
Identification	M12-L
Element	Cable connector Panel feed through
Specification	for rear mounting

## Version

Termination method	HARAX® connection technology
Gender	Male
Shielding	Shielded
Number of contacts	4
Coding	D-coding
Locking type	Screw locking
Details	For Fast Ethernet applications only

## Technical characteristics

Conductor cross-section	0.14 ... 0.34 mm²
Conductor cross-section [AWG]	AWG 26 ... AWG 22
Wire outer diameter	≤2 mm
Rated current	4 A
Rated voltage	50 V
Rated impulse voltage	1.5 kV



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## Technical characteristics

Pollution degree	3
Transmission characteristics	Cat. 5 Class D up to 100 MHz
Overvoltage category	III
Data rate	10 Mbit/s 100 Mbit/s
Insulation resistance	$>10^8 \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$
Tightening torque	2 Nm Lock nut
Limiting temperature	-40 ... +85 °C
Mating cycles	$\geq 100$
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Cable diameter	4.5 ... 8.8 mm
Isolation group	I ( $600 \leq \text{CTI}$ )
Thickness of the panel	2.5 ... 4.5 mm

## Material properties

Material (insert)	Polyamide (PA)
Material (contacts)	Brass
Surface (contacts)	Au over Ni Mating side
Material (hood/housing)	Zinc die-cast
RoHS	compliant with exemption
RoHS exemptions	6(c): Copper alloy containing up to 4 % lead by weight
ELV status	compliant with exemption
China RoHS	50
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
ECHA SCIP number	0d7d3693-d625-47ab-934a-d241bf72c86e
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08) + A1 (2023-10)



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## Material properties

Requirement set with Hazard Levels	R26
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## Specifications and approvals

Specifications	IEC 61076-2-101
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
PROFINET	Yes

## Commercial data

Packaging size	1
Net weight	40 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140138100
eCl@ss	27440116 Circular connector (for field assembly)
ETIM	EC002635
UNSPSC 24.0	39121413