Pushing Performance
Since 1945

M12-MD IDC Male Staight 8Pole X-coded

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

Part number	21 12 283 1801
Specification	M12-MD IDC Male Staight 8Pole X-coded
HARTING eCatalogue	https://harting.com/21122831801

Identification

Category	Connectors
Series	Circular connectors M12
Identification	Screw
Element	Cable connector
Specification	Straight

Version

Termination method	IDC insulation displacement termination
Gender	Male
Shielding	Shielded
Number of contacts	8
Coding	X-coding
Locking type	Screw locking

Technical characteristics

Wire outer diameter	0.9 ... 1.6 mm
Rated current	0.5 A
Rated impulse voltage	0.8 kV
Pollution degree	3
Transmission characteristics	Cat. 6_A Class E_A up to 500 MHz
Overvoltage category	III
Data rate	10 Gbit/s
Insulation resistance	$>10^8$ Ω

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

Pushing Performance
Since 1945

Technical characteristics

Contact resistance	≤10 mΩ
Tightening torque	0.6 Nm
Limiting temperature	-40 ... +85 °C
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Cable diameter	5 ... 10.5 mm
Isolation group	I (600 ≤ CTI)

Material properties

Material (insert)	PA66
Material (contacts)	Copper alloy
Surface (contacts)	Au over Ni Mating side
Material (hood/housing)	Zinc die-cast
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Not contained
California Proposition 65 substances	Yes
California Proposition 65 substances	Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R26

Specifications and approvals

Specifications	IEC 61076-2-109

Commercial data

Packaging size	1
Net weight	60 g
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140456983
eCl@ss	27440116 Circular connector (for field assembly)

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com

Pushing Performance
Since 1945

Commercial data

ETIM	EC002635
UNSPSC 24.0	39121413

HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany
Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com