

har-speed M12 crimp 8-pole male shielded



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

Part number	21 03 881 5805
Specification	har-speed M12 crimp 8-pole male shielded

Identification

Category	Connectors
Series	Circular connectors M12
Element	Cable connector
Specification	Straight

Version

Termination method	Crimp termination
Gender	Male
Shielding	Shielded
Number of contacts	8
Coding	X-coding
Locking type	Screw locking
Details	Please order crimp contacts separately.
Details	For Ethernet applications up to 10 Gbit only

Technical characteristics

Conductor cross-section	0.08 ... 0.25 mm ²
Conductor cross-section [AWG]	AWG 28 ... AWG 24
Wire outer diameter	≤0.61 mm
Rated current	0.5 A
Rated voltage	48 V
Rated impulse voltage	1.5 kV
Pollution degree	3



Pushing Performance
Since 1945

Technical characteristics

Transmission characteristics	Cat. 6 _A Class E _A up to 500 MHz
Overvoltage category	III
Data rate	10 Mbit/s 100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s
Insulation resistance	>10 ⁸ Ω
Contact resistance	≤10 mΩ
Tightening torque	0.6 Nm
Wrench size (knurled screw / knurled nut)	17
Limiting temperature	-40 ... +85 °C
Mating cycles	≥500
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Cable diameter	4.5 ... 8.8 mm
Isolation group	I (600 ≤ CTI)

Material properties

Material (insert)	Polyamide (PA)
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	Lead Nickel Naphthalene

Specifications and approvals

Specifications	IEC 61076-2-109
----------------	-----------------



Pushing Performance
Since 1945

Specifications and approvals

UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
----------	------------------------------------------------------------

Commercial data

Packaging size	10
Net weight	105 g
Country of origin	Germany
European customs tariff number	85366990
GTIN	5713140820258
ETIM	EC002635
eCl@ss	27440116 Circular connector (for field assembly)