

M12 PushPull 8-pole X-coded female



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

Part number	21 03 881 2830
Specification	M12 PushPull 8-pole X-coded female
HARTING eCatalogue	https://b2b.harting.com/21038812830

Identification

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

Version

Termination method	Crimp termination
Gender	Female
Shielding	Shielded
Number of contacts	8
Coding	X-coding
Locking type	Outer PushPull
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 28 ... AWG 23
Wire outer diameter	≤1.4 mm
Rated current	0.5 A
Rated voltage	48 V
Rated impulse voltage	0.8 kV



Pushing Performance
Since 1945

Technical characteristics

Pollution degree	3
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	$>10^8 \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$
Limiting temperature	-40 ... +85 °C
Mating cycles	≥ 500
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Cable diameter	5.7 ... 8.8 mm
Isolation group	I ($600 \leq \text{CTI}$)

Material properties

Material (insert)	Liquid crystal polymer (LCP)
Material (hood/housing)	Zinc die-cast

Specifications and approvals

Specifications	IEC 61076-2-109
	IEC 61076-2-010

Commercial data

Packaging size	1
Country of origin	Romania
European customs tariff number	85366990
GTIN	5713140227064
ETIM	EC002635
eCl@ss	27440116 Circular connector (for field assembly)