

## M12 CAT6a receptacle straight front



Part number	21 03 381 2802
Specification	M12 CAT6a receptacle straight front
HARTING eCatalogue	<a href="https://b2b.harting.com/21033812802">https://b2b.harting.com/21033812802</a>

### Identification

Category	Connectors
Series	Circular connectors M12
Element	PCB adapter
Specification	Straight incl. housing for front mounting

### Version

Termination method	Reflow soldering termination (THR)
Gender	Female
Locking type	Screw locking PushPull
Shielding	Shielded
Number of contacts	8
Coding	X-coding
Pack contents	60 pieces in a tray

### Technical characteristics

Rated current	0.5 A
Rated voltage	50 V
Rated impulse voltage	0.8 kV
Pollution degree	3
Insulation resistance	$>10^8 \Omega$
Contact resistance	$\leq 10 \text{ m}\Omega$
Ambient temperature	-40 ... +85 °C



Pushing Performance

## Technical characteristics

Tightening torque	2 Nm Lock nut
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP65 / IP67 when mated
Transmission characteristics	Cat. 6 <sub>A</sub> Class E <sub>A</sub> up to 500 MHz
Overvoltage category	III
Isolation group	I (600 ≤ CTI)

## Material properties

Material (insert)	Liquid crystal polymer (LCP)
Material (contacts)	Copper alloy
Surface (contacts)	Gold plated
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	No
REACH ANNEX XIV substances	No
REACH SVHC substances	Yes
REACH SVHC substances	Lead

## Specifications and approvals

Specifications	IEC 61076-2-109
UL / CSA	UL 1977 ECBT2.E102079 CSA-C22.2 No. 182.3 ECBT8.E102079
PROFINET	Yes

## Commercial data

Packaging size	60
Net weight	26.02 g
Country of origin	Romania
European customs tariff number	85366990
eCl@ss	27440402 PCB connector