

M12 CAT5 receptacle straight



Part number	21 03 381 2807
Specification	M12 CAT5 receptacle straight
HARTING eCatalogue	https://b2b.harting.com/21033812807

Identification

Category	Connectors
Series	Circular connectors M12
Element	PCB adapter
Specification	Straight

Version

Termination method	Reflow soldering termination (THR)
Gender	Female
Shielding	Shielded
Number of contacts	8
Coding	X-coding
Details	Order housings separately
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
Mating cycles	≥ 100
Transmission characteristics	Cat. 5 Class D up to 100 MHz



Pushing Performance

Technical characteristics

Overvoltage category	III
Isolation group	I ($600 \leq CTI$)

Material properties

Material (insert)	Liquid crystal polymer (LCP)
Material (contacts)	Copper alloy
Surface (contacts)	Gold plated
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	9.41 g
Country of origin	Romania
European customs tariff number	85366990
eCl@ss	27440402 PCB connector