

# M12-Screw-8P-ACOD-F-STR-SHLD



Part number	21 03 329 2801
Specification	M12-Screw-8P-ACOD-F-STR-SHLD
HARTING eCatalogue	https://b2b.harting.com/21033292801

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

#### Identification

Category	Connectors
Series	Circular connectors M12
Element	Cable connector
Specification	Straight

## Version

Termination method	Screw termination
Gender	Female
Shielding	Shielded
Number of contacts	8
Coding	A-coding
Locking type	Screw locking

## Technical characteristics

Conductor cross-section	0.5 mm² max.
Conductor cross-section	AWG 20
Rated current	2 A
Rated voltage	30 V
Rated impulse voltage	0.8 kV
Pollution degree	3
Overvoltage category	III
Insulation resistance	>10 <sup>8</sup> Ω
Contact resistance	≤10 mΩ

Page 1 / 3 | Creation date 2023-01-05 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com



#### Technical characteristics

Tightening torque	0.6 Nm
Wrench size (knurled screw / knurled nut)	18
Limiting temperature	-30 +85 °C
Mating cycles	≥100
Degree of protection acc. to IEC 60529	IP67 mated condition
Cable diameter	4 8 mm
Isolation group	I (600 ≤ CTI)

#### Material properties

Material (insert)	Polyamide (PA)
Material (contacts)	Brass
Surface (contacts)	Au over Ni Mating side
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	Not contained
REACH ANNEX XIV substances	Not contained
REACH SVHC substances	Yes
REACH SVHC substances	Lead
ECHA SCIP number	0d7d3693-d625-47ab-934a-d241bf72c86e
California Proposition 65 substances	Yes
California Proposition 65 substances	Lead Nickel
Fire protection on railway vehicles	EN 45545-2 (2020-08)
Requirement set with Hazard Levels	R26

# Specifications and approvals

Specifications	IEC 61076-2-101
UL / CSA	UL 2238 CYJV.E302521
	CSA-C22.2 No. 182.3 CYJV7.E302521

#### Commercial data

Packaging size

1

Page 2 / 3 | Creation date 2023-01-05 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com Product data sheet 21 03 329 2801 M12-Screw-8P-ACOD-F-STR-SHLD



#### Commercial data

Net weight	86 g
Country of origin	Czechia
European customs tariff number	85366990
GTIN	5713140225237
eCl@ss	27440116 Circular connector (for field assembly)

Page 3 / 3 | Creation date 2023-01-05 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Electronics GmbH | Marienwerderstraße 3 | 32339 Espelkamp | Germany Phone +49 5772 47-97200 | electronics@HARTING.com | www.HARTING.com