

TC-06S1N8AT0EQ - Cable connector



1612166

<https://www.phoenixcontact.com/us/products/1612166>

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M23, Cable connector, application: Signal, angled, Bayonet locking, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 10.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

Commercial data

Item number	1612166
Packing unit	8 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRIDA
GTIN	4046356367097
Weight per piece (including packing)	146.15 g
Weight per piece (excluding packing)	140.508 g
Country of origin	DE

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Technical data

Notes

Order information:	Order crimp contacts Ø 2 mm separately
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Product properties

Product type	Circular connector (cable-side)
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Connector

Insulating body

Note	Order information: Order crimp contacts Ø 2 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	6
Direction of rotation	Standard
Connection profile	6
Number (Contact group 1)	6
Contact diameter (Contact group 1)	2 mm
Rated current Contact (Contact group 1)	20 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Type	Cable connector housing
Thread type	M23
Design	angled
Type of locking	Bayonet locking
Degree of protection (plugged in)	IP67

Seal

External cable diameter	3 mm ... 10.5 mm
Seal material	NBR

Environmental and real-life conditions

Ambient conditions

Permissible humidity (storage/transport)	50 % ... 65 %
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Drawings

Schematic diagram



Connector pin assignment

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Classifications

ECLASS

ECLASS-13.0	27440312
ECLASS-15.0	27440312

ETIM

ETIM 10.0	EC002641
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	316f9e18-0f61-4940-b535-667648e095af

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