



Pin 1 ... 5: 0,14 mm²

The diagram shows a 5-pin connector with the following color coding:

Pin	Color
1	rot
2	schwarz
3	blau
4	braun
5	gelb, grün, orange, grau

The pins are connected to a Schirm (shield) which is grounded.

- PUR, halogen-free
- Suitable for drag chains
- Silicon- and CFC-free
- High resistance to microbes, hydrolysis, oil, chemicals and UV radiation High chemical resistance

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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We are always happy to take your call at +49 (571) 887-44222.



Data

Technical data

Connection type	M12 socket - M12 plug
Pole number	5
Cable connection direction to mating direction	90 °
Cable connection direction to mating direction (2)	90 °
Connector interface coding (cable/adaptor) 1 1	B-coded
Connector interface coding (cable/adaptor) 2 1	B-coded
Cable length	0.3 m
PLC manufacturer	WAGO
Operating voltage	60 V
Operating current	4 A
Rated surge voltage	1.5 kV per IEC 61076-2-101
Contact resistance	10 mΩ
Insulation resistance	$\geq 5 \times 10^9 \Omega$
Conductor resistance	$\leq 130 \Omega/\text{km}$

Mechanical Data

Bending radius	5 x cable diameter (min.)
Bending cycles	5 Mio.
Drag chain capability	yes
Sheathed cable diameter	6.8 mm
Type code	KS-6Y3GC11Y 4x2xAWG26/19 shielded
Shield	Tinned copper braid, optical coverage approx. 90 %
Conductor configuration	Bare copper wire (AWG 26/19)
Conductor insulation	FEP; Core Ø: 1.0 mm (max.)
Housing material	TPU/TPU, black (~ RAL 9005)
Contact material	CuZn
Contact plating	CuNi/Au
Material properties of the connections	Hexagon knurled nut: CuZn; Knurled nut surface: nickel-plated; Sealing ring: FPM (Viton)
Mating cycles (max.)	100
Tightening torque	1 Nm
Weight	10 g
Color	yellow

Subject to changes. Please also observe the further product documentation!



Environmental requirements

Ambient (operating) temperature (dynamic)	0 ... +50 °C
Ambient (operating) temperature (static)	-30 ... +85 °C
Protection type	IP67
Pollution degree	3/2 per IEC 60664-1

Commercial data

eCl@ss 10.0	27-06-18-01
eCl@ss 9.0	27-06-18-01
ETIM 8.0	EC000237
ETIM 7.0	EC003249
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821130840
Customs tariff number	85444290900

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant, With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	6c48fc6f-f352-45e5-b6fc-e4ec056e2ae8
SCIP notification number (Belgium)	ca94fcd8-54e5-4e7a-8fa3-e69096013db9
SCIP notification number (Bulgaria)	76ae375a-a55d-4dc1-9ef9-e43f09d1eae2
SCIP notification number (Czech Republic)	b0fde76f-939c-4fcb-8fac-5460146efd04
SCIP notification number (Denmark)	8bf80c3b-7c96-4c2b-bc81-61adfe94b99d
SCIP notification number (Finland)	1c920cda-396f-43b7-9bdb-e74fd83da2d6
SCIP notification number (France)	17c76113-cc1e-4496-bf8b-db341b7719c2
SCIP notification number (Germany)	03102404-badb-4e8a-b655-68c97e253d21
SCIP notification number (Hungary)	6dd852e2-7f64-48b7-8c74-85ea723a88b1
SCIP notification number (Italy)	dbe2a444-37fc-4f6d-bdd4-6ece8b96e1d8
SCIP notification number (Netherlands)	83f1a54e-afe4-4ef6-bd23-9a5fb92e4518
SCIP notification number (Poland)	dc118768-5e55-46b0-a9fb-e4381c423d8e
SCIP notification number (Romania)	5ff8e6df-85e4-4e25-a650-9eeca7f92a6c
SCIP notification number (Sweden)	5577eaad-ea75-4dbb-94ca-d721539e60f4

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Downloads

Documentation

System Description

I/O-SYSTEM – SPEEDWAY, General Product Information	pdf 1.1 MB	Download
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CAD/CAE-Data

CAE data

WSCAD Universe 756-1506/060-003	URL	Download
WSCAD Universe 756-1506/060-003	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 756-1506/060-003 System bus cable for drag chain; M12B socket; angled; M12B plug; angled; 5-pole; Length: 0.3 m	URL	Download
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Installation Notes

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