

1622244

https://www.phoenixcontact.com/us/products/1622244

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Connector in molded plastic on both sides, series: KSH, M23-Socket, Straight, plastic molded, number of positions: 4+4+4+PE, type of locking: SPEEDCON, on M23-Pin, Straight, plastic molded, number of positions: 4+4+4+PE, type of locking: SPEEDCON, cable length: 2 m, shielded: yes, color of outer sheath: orange RAL 2003, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1244562

Your advantages

- · Transmission of signals, data, and power in just a single connector
- CAT5 data interface for up to 100 Mbps
- · Our standard: robust halogen-free PUR cable
- Simple and safe: 100% electrically tested and assembled ready for use
- · Designs with preassembled cables on one or both sides
- · Customer-specific assemblies and cable lengths can be supplied

Commercial data

Item number	1622244
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB34
Product key	ABRDGG
Catalog page	Page 226 (C-2-2019)
GTIN	4055626070001
Weight per piece (including packing)	959.108 g
Weight per piece (excluding packing)	959.108 g
Customs tariff number	85444290
Country of origin	DE



1622244

https://www.phoenixcontact.com/us/products/1622244

Technical data

Notes

Notes on operation	Observe derating curve.
Safety note	
Safety note	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	 WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	 WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
	 The products are suitable for applications in plant, controller, and electrical device engineering.
	 When operating the connectors in outdoor applications, they must be separately protected against environmental influences.
	 Assembled products may not be manipulated or improperly opened.
	 Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
	 When using the product in direct connection with third-party manufacturers, the user is responsible.
	 For operating voltages > 50 V AC, conductive connector housings must be grounded
	 Ensure that the protective or functional ground has been properly connected.
	 VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector
	Only use tools recommended by Phoenix Contact
	 The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	 Operate the connector only when it is fully plugged in and interlocked.
	 Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
	 Observe the minimum bending radius of the cable. Lay the cable without twisting it.
	The connector warms up in normal operation. Depending on the



1622244

https://www.phoenixcontact.com/us/products/1622244

	ambient conditions, the surface of the connector can continue to
	warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).
oduct properties	
Product type	Signal and power cable
Data management status	
Article revision	14
onnector	
Connector enecifications	
Connector specifications	Straight plactic molded
Type	Straight, plastic molded PUR
Housing material	
Thread type	M23 SPEEDCON
Type of locking	
Degree of protection	IP67, when in locked state
No of no	IP68, when in locked state 4+4+4+PE
No. of pos. Direction of rotation	
	Standard
Contact switching type	Socket
Insertion/withdrawal cycles	100 30 A
Max. current	30 A
Voltage	630 V AC
Overvoltage category	
Degree of pollution	3
Rated surge voltage	6 kV
Cable specifications	
Cable type	HDSLC11Y-J
Transmission speed	CAT5
Transmission speed	100 Mbps (Data interface)
Shielded	yes
Cable structure	(5x 2.5 + 2x (2x 0.5) + (4x 0.34)C) C
External cable diameter	15.50 mm ±0.5 mm
Outer sheath, material	PUR
Material wire insulation	TPE
External sheath, color	orange RAL 2003
Single wire, color	black 1, black 2, black 3, black 4, green/yellow Power wires + P
	brown, violet, black 5, green Signal wires
	blue, yellow, white, orange Data wires
Nominal voltage, cable	1000 V (300 V signal)
Test voltage	4 kV (1.5 kV signal)



1622244

https://www.phoenixcontact.com/us/products/1622244

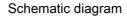
Rated current	26 A (Power, in accordance with DIN VDE 0298-4 Tab. 11/5, at 15°C)
	8 A (Signal, according to DIN VDE 0298-4 tab. 11/5)
	3.6 A (Data, according to DIN VDE 0298-4 tab. 11/5)
Smallest bending radius, fixed installation	73 mm
Smallest bending radius, movable installation	148 mm
Max. bending cycles	1000000
Traversing path	6 m
Acceleration	30 m/s²
Ambient temperature (operation) for fixed installation	-40 °C 80 °C (fixed installation)
Ambient temperature (operation) for flexible installation	-20 °C 80 °C (flexible installation)
UL AWM style	20234 / 10492 (80°C/1000 V)
Special properties	Flexible cable conduit capable
Flame resistance	IEC 60332-1-2
Halogen-free	in accordance with EN 50267-2-1
Resistance to oil	EN 60811-2-1
nnector specifications (second page)	
Туре	Straight, plastic molded
Housing material	PUR
Thread type	M23
Type of locking	SPEEDCON
Degree of protection	IP67, when in locked state
	IP68, when in locked state
No. of pos.	4+4+4+PE
Direction of rotation	Standard
Contact switching type	Pin
nsertion/withdrawal cycles	100
Max. current	30 A
Voltage	630 V AC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV
rical properties	
Nominal current I _N	26 A
e/line	
Cable length	2 m

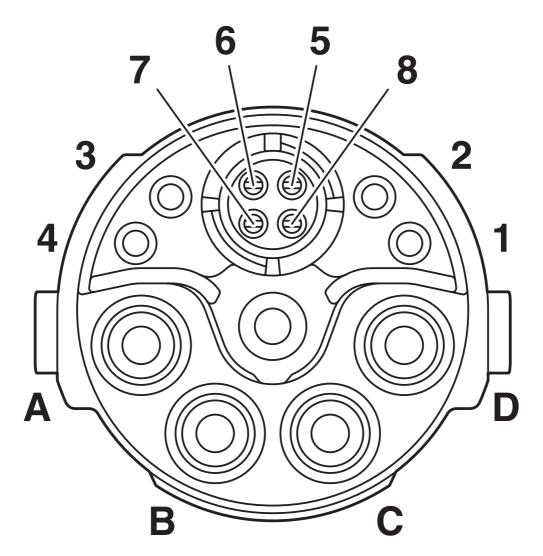


1622244

https://www.phoenixcontact.com/us/products/1622244

Drawings



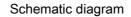


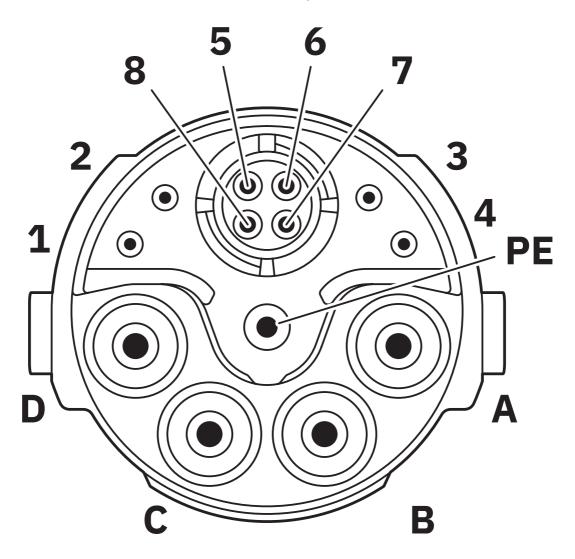
Socket pin assignment



1622244

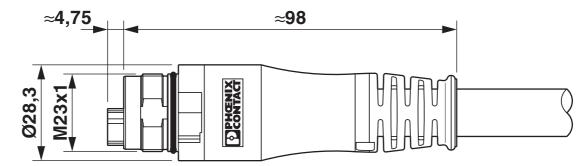
https://www.phoenixcontact.com/us/products/1622244





Pin assignment of pin

Dimensional drawing

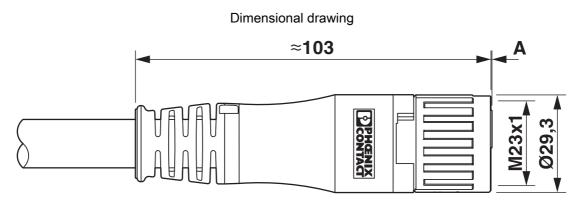


Pin side

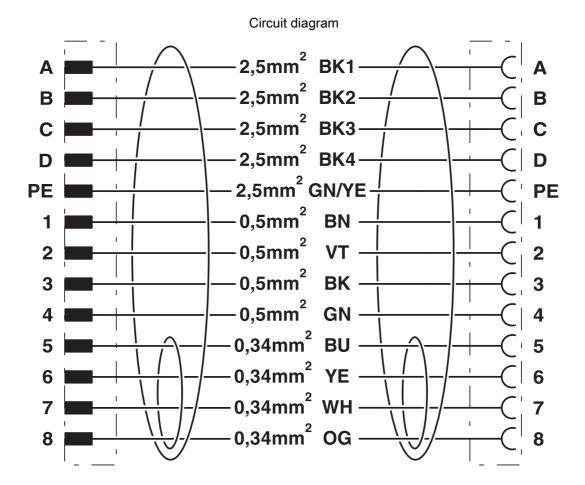


1622244

https://www.phoenixcontact.com/us/products/1622244



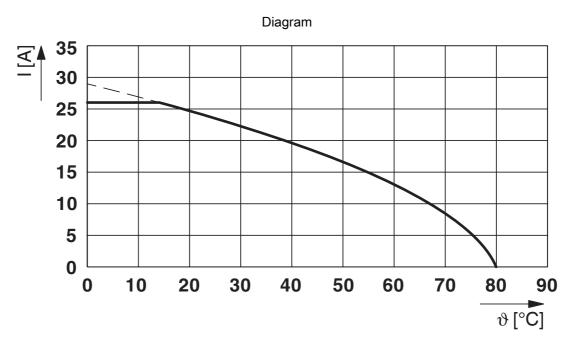
Socket side, dimension A = 0 mm





1622244

https://www.phoenixcontact.com/us/products/1622244



3 x 26 A + 4 x 2 A + 4 x 1 A



1622244

https://www.phoenixcontact.com/us/products/1622244

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1622244



EAC

Approval ID: B.00286/19

UL Listed Approval ID: E468743-20150929				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	600 V	16 A	-	-
Signal	50 V	4 A	-	-
Data	30 V	1 A	-	-

CUL Listed Approval ID: E468743-20150929				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	600 V	16 A	-	-
Signal	50 V	4 A	-	-
Data	30 V	1 A	-	-

cULus Listed



1622244

https://www.phoenixcontact.com/us/products/1622244

Classifications

UNSPSC 21.0

ECLASS

	ECLASS-11.0	27060311		
	ECLASS-12.0	27060311		
	ECLASS-13.0	27060311		
ETIM				
	ETIM 9.0	EC001855		
1U	NSPSC			

39121400



1622244

https://www.phoenixcontact.com/us/products/1622244

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(b), 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	5c97b295-c58c-4477-b016-2512eb446189

Phoenix Contact 2024 @ - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com