K-8E-M23M8/10,0-H00/M23F8-C5-SX - Connector in molded plastic on both sides

1244567

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26 A
IEC



Connector in molded plastic on both sides, application: Hybrid, series: KSH, M23-Socket, straight, number of positions: 4+4+4+PE, on M23-Pin, straight, number of positions: 4+4+4+PE, CAT5, 100 Mbps, type of locking: SPEEDCON, cable length: 10 m, shielded: yes, color of outer sheath: orange RAL 2003, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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	1244567
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB37
Product key	ABRDGG
GTIN	4063151407735
Weight per piece (including packing)	3,994.131 g
Weight per piece (excluding packing)	3,965.831 g
Customs tariff number	85444290
Country of origin	DE

Technical data

Notes

Notes on operation	Observe derating curve.

Safety note

Safety note	• 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.

Product properties

Product type	Signal and power cable
Application	Hybrid

Connector

Connector specifications

Type	Straight, plastic molded
Housing material	PUR
Thread type	M23
Degree of protection	IP67, when in locked state
No. of pos.	4+4+4+PE
Direction of rotation	Standard
Contact switching type	Socket
Insertion/withdrawal cycles	100
Voltage	630 V AC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV

Connector specifications (second page)

Thread type	M23
No. of pos.	4+4+4+PE
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Contact switching type	Pin
Insertion/withdrawal cycles	100
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Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV

Electrical properties

Nominal current I_N	26 A

Max. current	26 A

Cable/line

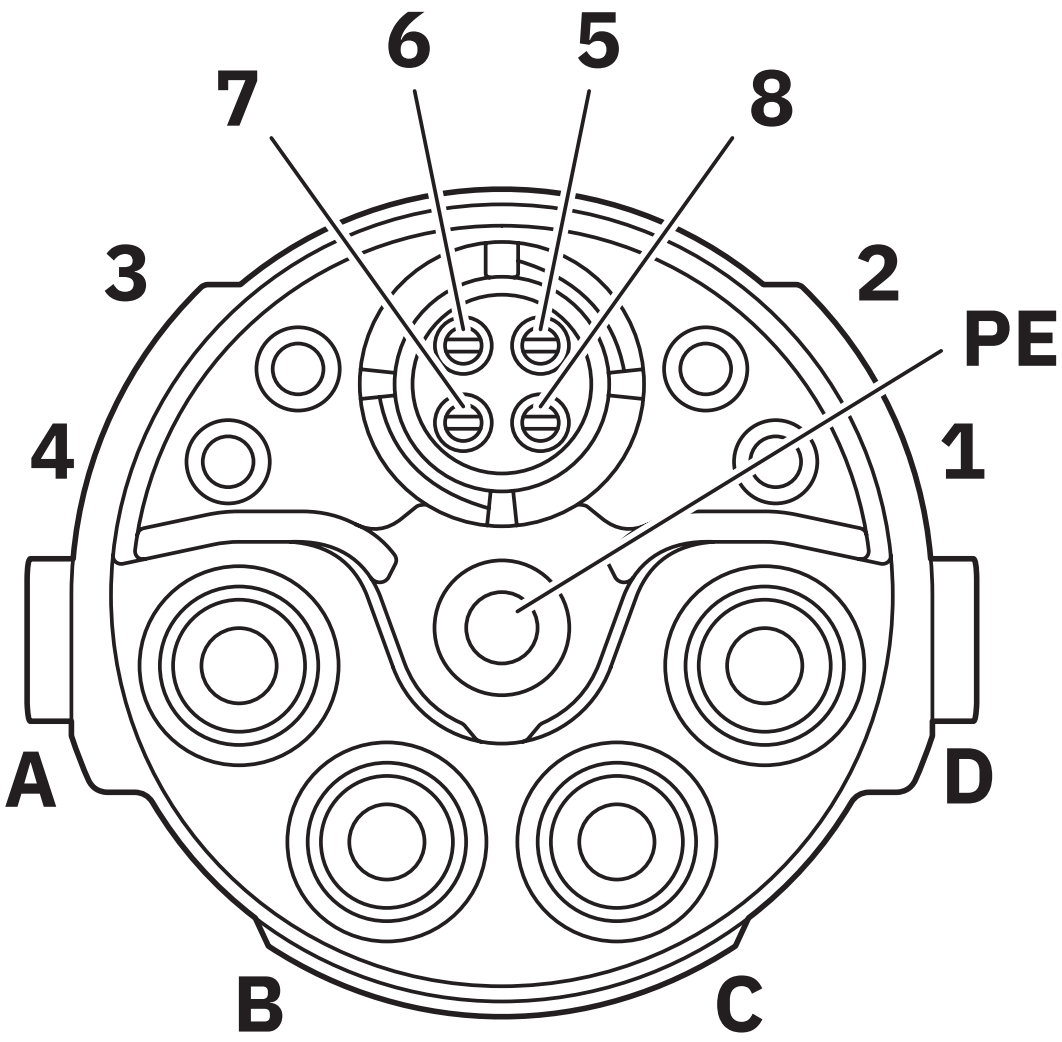
Cable length	10 m

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	PP
External sheath, color	orange RAL 2003
Nominal voltage, cable	1000 V (300 V signal)
Test voltage	1.5 kV signal
Smallest bending radius, fixed installation	78 mm
Smallest bending radius, movable installation	116 mm
Max. bending cycles	5000000
Traversing path	5 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)
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

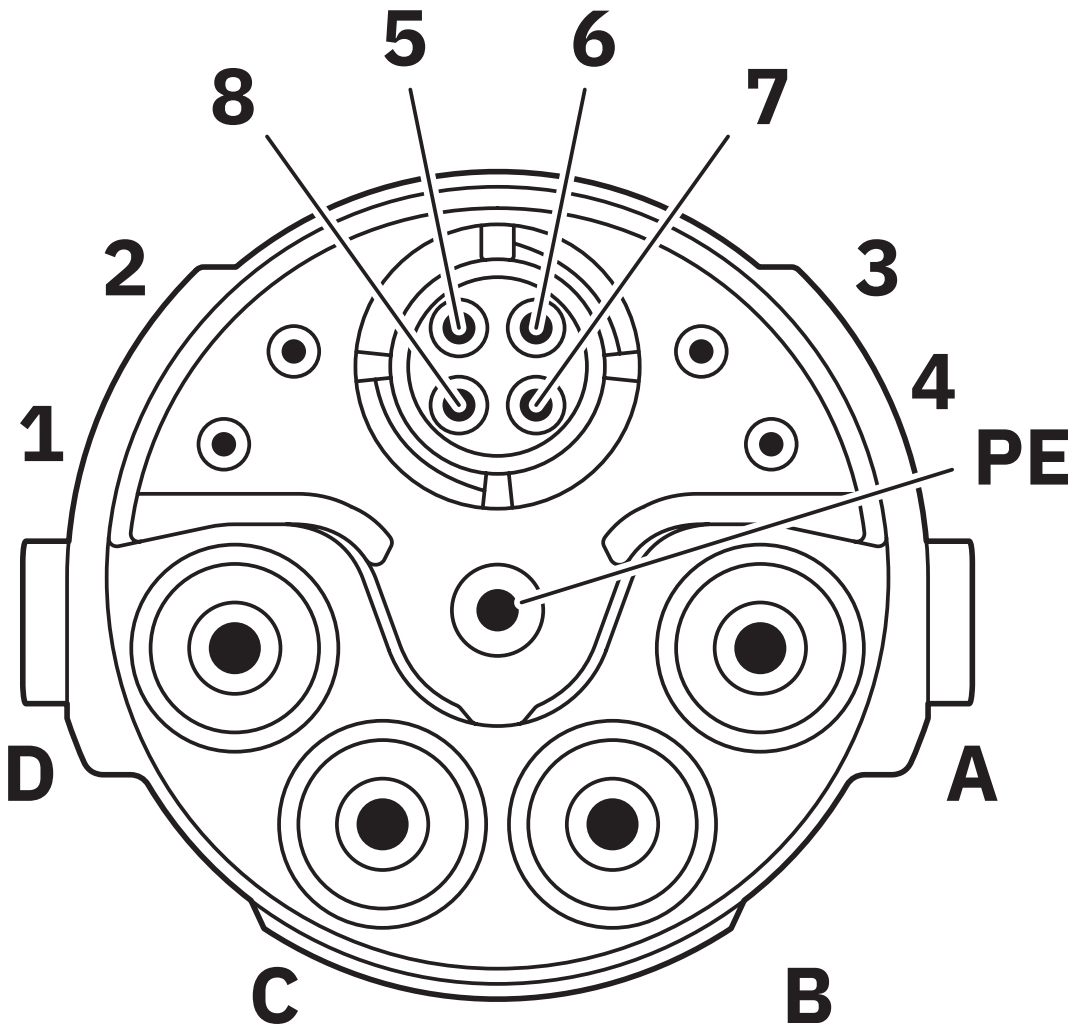
Drawings

Schematic diagram



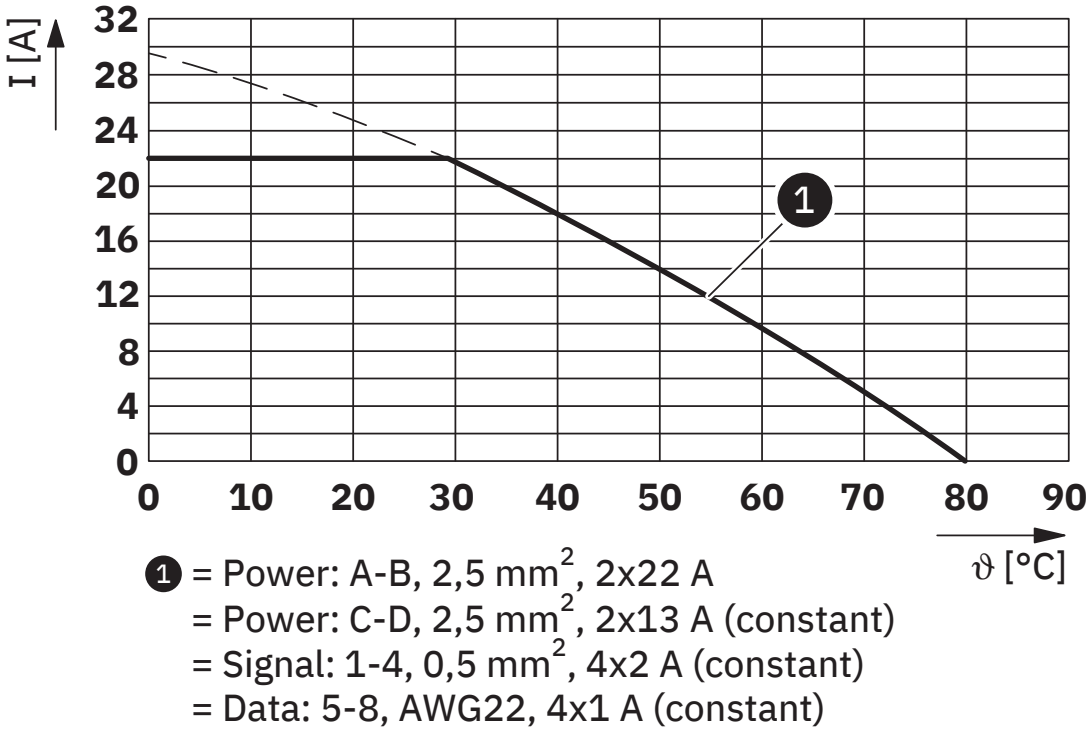
Socket pin assignment

Schematic diagram



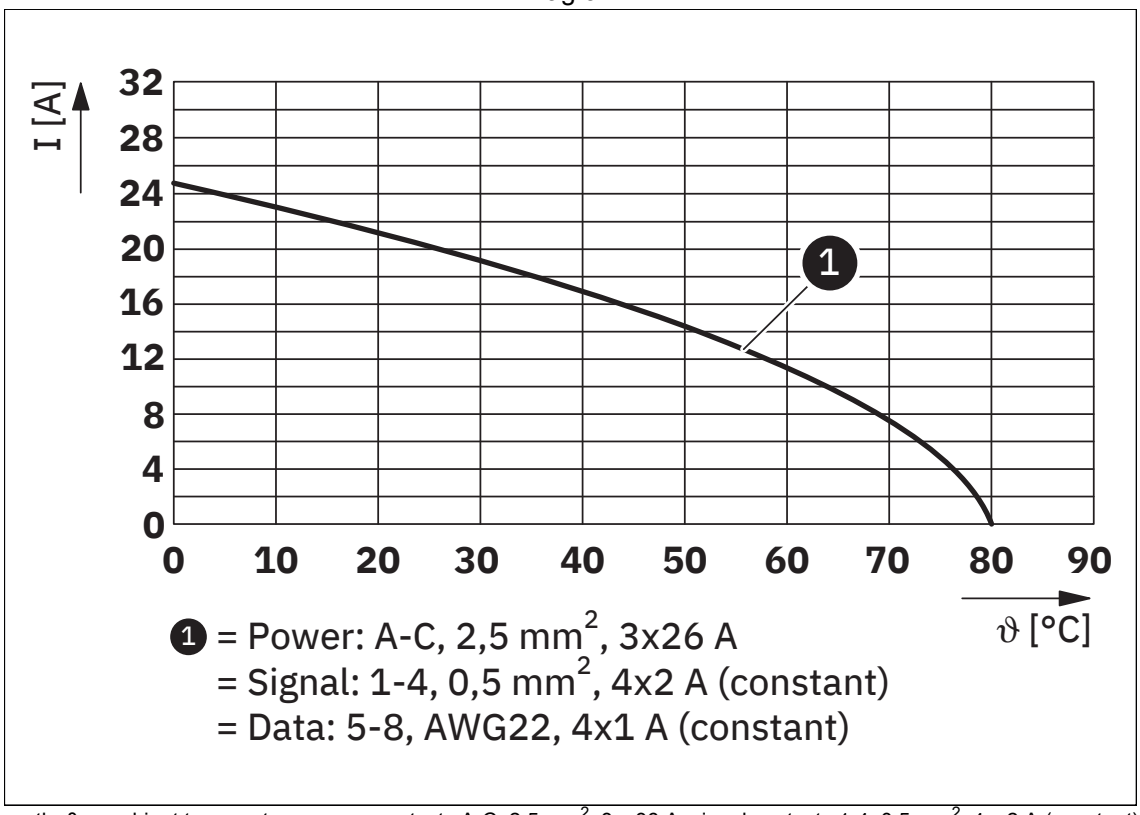
Pin assignment of pin

Diagram



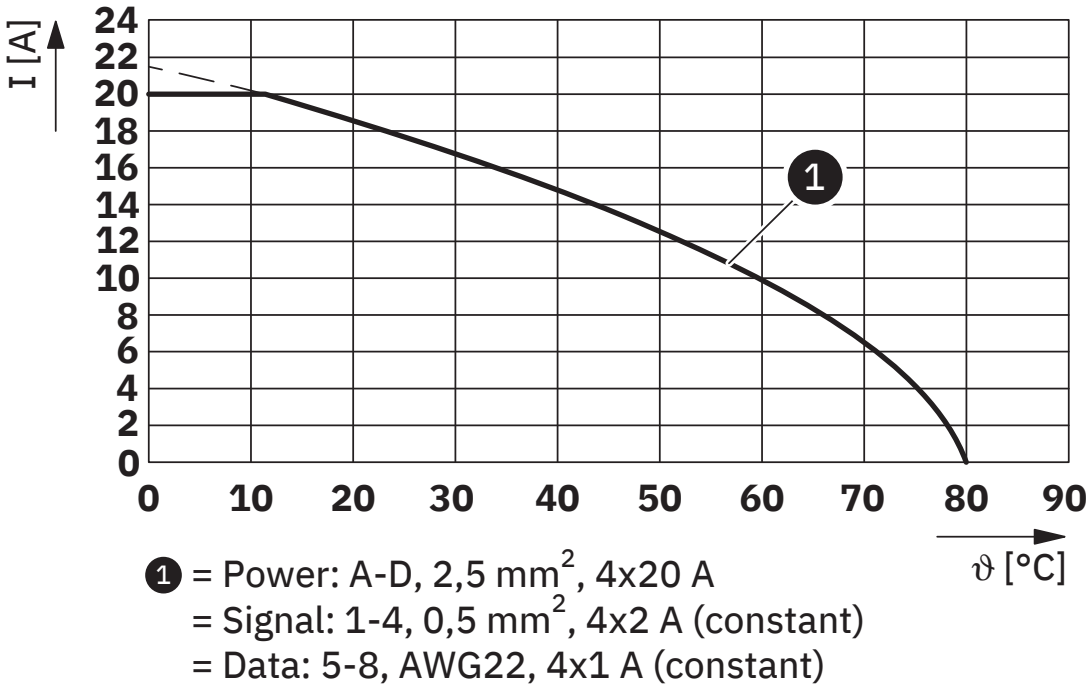
I = current strength, ϑ = ambient temperature, power contacts A-B: 2.5 mm², 2 x 22 A, power contacts C-D: 2.5 mm², 2 x 13 A (constant), signal contacts 1-4: 0.5 mm², 4 x 2 A (constant), data contacts 5-8: AWG22, 4 x 1 A (constant)

Diagram



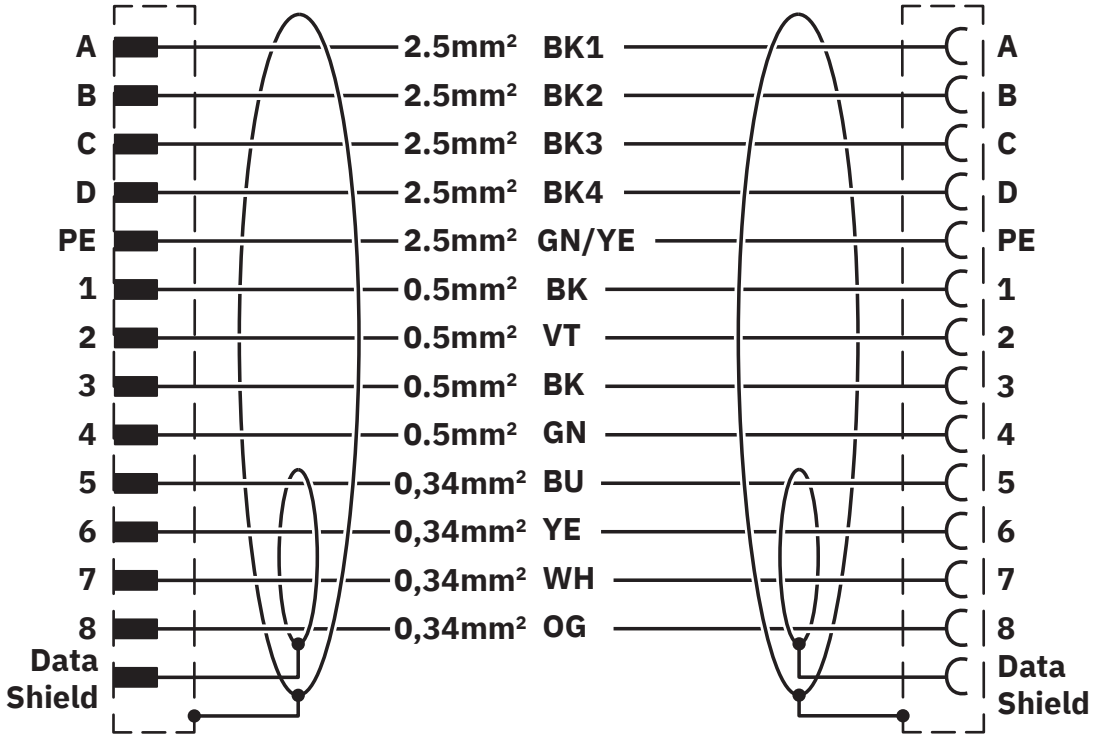
I = current strength, ϑ = ambient temperature, power contacts A-C: 2.5 mm², 3 x 36 A, signal contacts 1-4: 0.5 mm², 4 x 2 A (constant), data contacts 5-8: AWG22, 4 x 1 A (constant)

Diagram



I = current strength, ϑ = ambient temperature, power contacts A-D: 2.5 mm², 4 x 20 A, signal contacts 1-4: 0.5 mm², 4 x 2 A (constant), data contacts 5-8: AWG22, 4 x 1 A (constant)

Circuit diagram



Contact assignment of M23 plugs/sockets

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1244567

EAC
Approval ID: B.00286/19

Classifications

ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060307

ETIM

ETIM 10.0	EC001855

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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