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Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8 - 1619292

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Connector in molded plastic on both sides, Length: 2 m, Color of outer sheath: orange RAL 2003

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 835084

Technical data

Conductor length	2 m
Nominal current	9 A

Connector specifications

Type	straight plastic-sheathed
Housing material	Zinc die-cast
Thread type	M23
Locking type	Screw locking
Degree of protection	IP67, when in locked state
Number of positions	12
Direction of rotation	Standard
Type of contact	Socket
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Max. current	8 A
Voltage	150 V
Overvoltage category	II
Degree of pollution	3
Rated surge voltage	1.5 kV
Ambient temperature (operation)	-40 °C ... 105 °C

Cable specifications

Type of cable	RSL9YSLC11Y

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Technical data

Cable specifications

Shielded	yes
Cable structure	4 x 2 x 0.25 mm² + 2 x 0.5 mm²
Cable structure (AWG)	24 AWG/4pr + 20 AWG/2c
External cable diameter	8 mm
Outer sheath, material	TPU
Material wire insulation	PP
External sheath, color	orange RAL 2003
Nominal voltage, cable	300 V
Test voltage	1 kV
Rated current	9 A
Smallest bending radius, fixed installation	40 mm
Smallest bending radius, movable installation	60 mm
Ambient temperature for fixed installation	-40 °C ... 80 °C
Ambient temperature for flexible installation	-20 °C ... 60 °C

Connector specifications (second page)

Type	straight plastic-sheathed
Housing material	Zinc die-cast
Thread type	M23
Degree of protection	IP67, when in locked state
Number of positions	12
Direction of rotation	Standard
Type of contact	Male connector
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Max. current	8 A
Voltage	150 V
Overvoltage category	II
Degree of pollution	3
Rated surge voltage	1.5 kV
Ambient temperature (operation)	-40 °C ... 105 °C

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27279218

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Classifications

eCl@ss

eCl@ss 7.0	27279218
eCl@ss 8.0	27062011

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC001855
ETIM 5.0	EC001578

UNSPSC

UNSPSC 6.01	26121604
UNSPSC 7.0901	26121604
UNSPSC 11	26121604
UNSPSC 12.01	26121604
UNSPSC 13.2	26121604

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed

Nominal current IN	5 A
Nominal voltage UN	150 V

Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8 - 1619292

Approvals

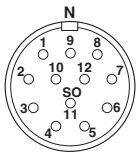
cUL Listed

Nominal current IN	5 A
Nominal voltage UN	150 V

cULus Listed

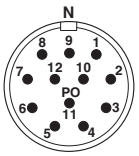
Drawings

Schematic diagram



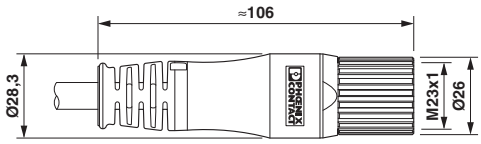
Socket pin assignment

Schematic diagram



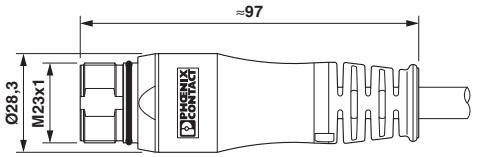
Pin assignment of pin

Dimensional drawing



On the female side

Dimensional drawing



Pin side

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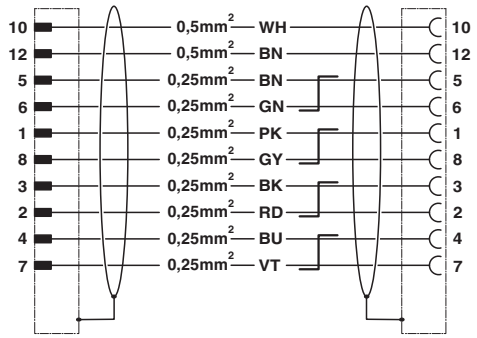
Circuit diagram



Contact assignment of M23 plugs/sockets

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Product	Code	Reference	Product link
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