



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289

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

Product Features

- Our standard: robust halogen-free PUR cable
- Simple and safe: 100% electrically tested and assembled ready for use
- Designs with pre-assembled cables on one or both sides
- High flexibility: customer-specific assemblies and cable lengths can be supplied



Key Commercial Data

| | |
|----------------------|----------|
| Packing unit | 1 pc |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

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 | Counter direction |

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Technical data

Connector specifications

| | |
|---------------------------------|-------------------|
| 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 |
| Shielded | yes |
| Cable structure | 4 x 2 x 0.25 mm ² + 2 x 0.5 mm ² |
| 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 | Counter direction |
| Type of contact | Male connector |
| Insertion/withdrawal cycles | 50 |
| Contact resistance | < 0.3 mΩ |

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Technical data

Connector specifications (second page)

| | |
|---------------------------------|-------------------|
| 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 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27062011 |
| eCl@ss 9.0 | 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 / EAC / cULus Listed


Connector in molded plastic on both sides - K-12-M23 M9/2,0-E00/M23 F8-N2 - 1619289


Approvals

Ex Approvals


Approvals submitted

Approval details

| | |
|---|-------|
| UL Listed  | |
| Nominal current I _N | 5 A |
| Nominal voltage U _N | 150 V |

| | |
|--|-------|
| cUL Listed  | |
| Nominal current I _N | 5 A |
| Nominal voltage U _N | 150 V |

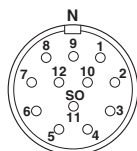
| |
|-----|
| EAC |
|-----|

| |
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| cULus Listed  |
|--|

Drawings

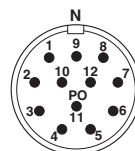
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Schematic diagram



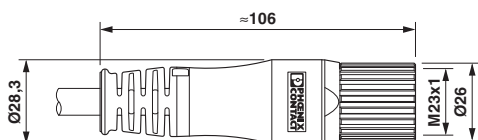
Socket pin assignment

Schematic diagram

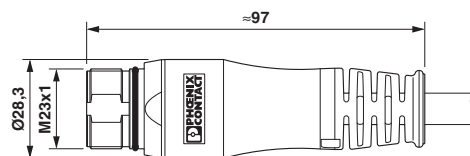


Pin assignment of pin

Dimensional drawing



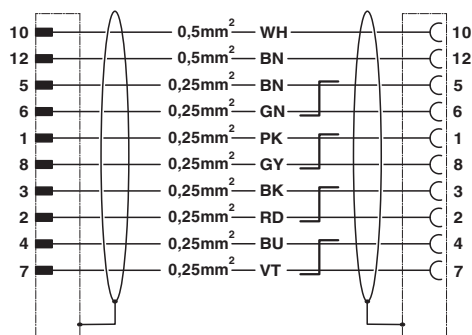
Dimensional drawing



On the female side

Pin side

Circuit diagram



Contact assignment of M23 plugs/sockets