



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Cable plug in molded plastic - K-3E - OE/2,0-A00/M23 F8 - 1624771

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Cable plug in molded plastic, Length: 2 m, Color of outer sheath: gray RAL 7001

### 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     |
| Minimum order quantity | 2 pc     |
| Custom tariff number   | 85444290 |
| Country of origin      | Germany  |

### Technical data

|                  |      |
|------------------|------|
| Conductor length | 2 m  |
| Nominal current  | 34 A |

### Connector specifications

|                             |                            |
|-----------------------------|----------------------------|
| Type                        | straight plastic-sheathed  |
| Thread type                 | M23                        |
| Locking type                | Screw locking              |
| Degree of protection        | IP67, when in locked state |
| Number of positions         | 3+PE                       |
| Direction of rotation       | Standard                   |
| Type of contact             | Socket                     |
| Insertion/withdrawal cycles | 50                         |

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## Technical data

### Connector specifications

|                                 |                   |
|---------------------------------|-------------------|
| Contact resistance              | < 0.3 mΩ          |
| Max. current                    | 30 A              |
| Voltage                         | 630 V             |
| Overvoltage category            | III               |
| Degree of pollution             | 3                 |
| Rated surge voltage             | 6 kV              |
| Ambient temperature (operation) | -40 °C ... 105 °C |

### Cable specifications

|  |                          |
|--|--------------------------|
| Type of cable                              | Ölflex Control TM        |
| Shielded                                   | yes                      |
| Cable structure                            | 4G4                      |
| Cable structure (AWG)                      | Ölflex Control TM CY 4G4 |
| External cable diameter                    | 12.3 mm                  |
| Outer sheath, material                     | PVC                      |
| Material wire insulation                   | PVC                      |
| External sheath, color                     | gray RAL 7001            |
| Nominal voltage, cable                     | 600 V                    |
| Test voltage                               | 2 kV                     |
| Rated current                              | 34 A                     |
| Ambient temperature for fixed installation | -40 °C ... 90 °C         |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260708 |
| eCl@ss 7.0 | 27440312 |
| eCl@ss 8.0 | 27062011 |
| eCl@ss 9.0 | 27062011 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC001121 |
| ETIM 5.0 | EC001578 |

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### Classifications

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 43201404 |

### Approvals

#### Approvals


#### Approvals


UL Listed / cUL Listed / EAC / cULus Listed

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |
|---|-------|
| UL Listed  |       |
| Nominal current I <sub>N</sub>  | 25 A  |
| Nominal voltage U <sub>N</sub>  | 600 V |

|  |       |
|--|-------|
| cUL Listed  |       |
| Nominal current I <sub>N</sub>   | 25 A  |
| Nominal voltage U <sub>N</sub>   | 600 V |

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

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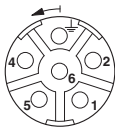
### Approvals

cULus Listed



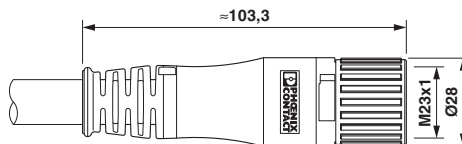
### Drawings

Schematic diagram



Do not use pin 1 and 6

Dimensional drawing



Dimensional drawing

Circuit diagram



Contact assignment of M23 plugs/sockets