

Standard



Image for illustrative purpose only

Summary

[Request a quote](#)

[BKT series](#)

[Customer Drawing](#)

| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 2 |
| Wire Size/AWG | 20 - 18 |
| Gender | Reverse Gender |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 1.00 - 14.60 mm |
| Size | 1K |
| Suggested matching part | FGL.1K.302.CYMC65 |
| Series | K - Outdoor keyed |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eel-1k-302-cyc.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage | 2 |
| Contact Termination Low voltage | Crimp |
| R (max) | 3.6 mOhm |
| Insert configuration value | 1K.302 - 2 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 15 A |
| Vtest (contact-contact) | 2.4 kV (DC) |
| Vtest (contact-shell) | 2 kV (DC) |
| Contact retention | 40 N |
| Max. Conductor | 1 mm ² (AWG 18) |
| Min. Conductor | 0.5 mm ² (AWG 20) |
| Bucket Dia. | 1.4 mm (0.055in) |
| Contact Dia. | 1.3 mm (0.051in) |
| Wire Size/AWG | 20 - 18 |
| Gender | Reverse Gender |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | EE - Fixed receptacle, nut fixing (back panel mounting) |
| Socket / Receptacle | Fixed Panel Rear Mounted |
| Housing material | Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Locking system | Push-pull |
| Keying | 2 keys (gamma=75, plug: female contacts, receptacle: male contacts) |
| Colour | Grey |
| Weight | 18.93 g |

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Environment

| | |
|-----------------------------------|---|
| Technical domain | Audio Video, Energy and Industrial, Medical, Test and Measurement |
| Environmental sealing (IP rating) | IP68 |
| Endurance | 5000 mating cycles |
| Temperature range | -55°C / +200°C (max. temperature valid for short periods of use.) |
| Climatic Category | 50/175/21 |
| Humidity (max) | <=95% [at 60 deg C /140 F] |
| Shielding (min) | 95 dB (10 MHz) |
| Shielding (min) | 80 dB (1 GHz) |
| Shock Resistance | 100 g [6 ms] |
| Vibration | 15 g [10 Hz - 2000 Hz] |
| Salt Spray Corrosion | >1000 hr |

Cable fixation

| | |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.00 - 14.60 mm |
|------------------------------------|-----------------|

Recommended By Lemo

Accessories

| | |
|---------------------|--------------------------------|
| Replacement contact | FGG.1B.565.ZZC |
| Compatible cap | BRE.1K.200.NAS |

Tools

| | |
|-----------------|---|
| Spanner 2 | DCM.65.176.AZ6 |
| Positionner | DCE.91.131.BVC |
| Extraction tool | DCC.13.15B.LAG |
| Crimp tool | DPC.91.701.V |
| Spanner wrench | Socket for torque wrench DCM.1E.M16.6 |

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Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.02.T18.064UNCU | | | |
| CMN.02.T20.047PGZE | | grey |  |
| CMN.02.T20.047PNZE | | |  |
| CMN.02.T20.048QGZE | TPR (medical) | Grey |  |
| CMN.02.T28.030PGCE | PVC | GREY |  |
| CMN.02.T28.030PGZE | | grey |  |
| CMN.02.T28.030PNCE | PVC | Black |  |
| CMN.02.T28.030PNZE | | |  |
| 102080 | PVC | Grey | |
| 120184 | PVC | Black |  |
| 120240 | PVC | Black |  |
| 120250 | PVC | Grey |  |
| 120500 | PVC | Grey |  |
| 120501 | PVC | Grey |  |
| 120751 | PVC | Grey |  |
| 20140 | PVC | Grey |  |
| 20140 | PVC | Grey |  |
| 20141 | PVC | Grey |  |
| 20142 | PVC | Red |  |
| 20143 | PVC | Green |  |
| 20144 | PVC | Black |  |
| 20145 | PVC | Yellow |  |
| 20146 | PVC | Black |  |
| 20240 | PTFE | White |  |
| 20260 | PVC | Black |  |
| 20264 | PVC | Black |  |
| 20266 | PVC | Violet |  |
| 2050 | PVC | Black |  |
| 20550 | PUR | Black |  |
| 20560 | PUR | White |  |
| 2080 | PVC | Grey | |
| 220750 | PVC | Grey |  |
| 2221 | PVC | Black |  |
| 2260 | PTFE | White |  |
| 2280 | PVC | Black |  |
| 4082 | PVC | Grey | |
| CM8.02.210.635 | PUR | Black | |

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