

Standard*Image for illustrative purpose only*

Summary

[Request a quote](#)[BKT series](#)[Customer Drawing](#)

| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 14 |
| Wire Size/AWG | 24 - 20 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 7.60 - 8.00 mm |
| Size | 3K |
| Suggested matching part | EGG.3K.314.CYM PHG.3K.314.CYMC80 |
| Series | K - Outdoor keyed |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-314-cycc80.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 14 |
| Contact Termination Low voltage | Crimp |
| R (max) | 4.8 mOhm |
| Insert configuration value | 3K.314 - 14 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 9 A |
| Vtest (contact-contact) | 2.6 kV (DC) |
| Vtest (contact-shell) | 2.3 kV (DC) |
| Contact retention | 30 N |
| Max. Conductor | 0.5 mm ² (AWG 20) |
| Min. Conductor | 0.25 mm ² (AWG 24) |
| Bucket Dia. | 1.1 mm (0.043in) |
| Contact Dia. | 0.9 mm (0.035in) |
| Wire Size/AWG | 24 - 20 |
| Gender | Standard |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | FG - Straight plug, cable collet |
| Plug | Straight |
| 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 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 67.11 g |

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

| | |
|------------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 7.60 - 8.00 mm |

Recommended By Lemo

Accessories

| | |
|---------------------|--------------------------------|
| Replacement contact | FGG.3B.560.ZZC |
| Compatible cap | BFG.3K.100.NAS |

Tools

| | |
|-----------------|----------------------------------|
| Positionner | DCE.91.093.BVC |
| Extraction tool | DCC.09.05B.LAG |
| Crimp tool | DPC.91.701.V |
| Spanner wrench | DCD.3E.ZZZ.PA150 |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-314-cycc80.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Documents

Eplan

[Download](#)

Cables

| Cable PartNumber | Material | Colour | Cable image |
|------------------|----------|--------|---|
| 314250 | PVC | Grey |  |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-314-cycc80.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.