

Standard*Image for illustrative purpose only*

Summary

[Request a quote](#)**BKT series**

| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 5 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |
| 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 | FGG.1K.305.CLAC50Z |
| Series | K - Outdoor keyed |

Technical details

Electrical Configuration

| | |
|------------------------------------|-------------------------------|
| Number of contacts Low Voltage | 5 |
| Contact Termination Low voltage | Solder |
| R (max) | 4.8 mOhm |
| Insert configuration value | 1K.305 - 5 Low Voltage |
| Footprint IPC Class3 compatibility | No |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 9 A |
| Vtest (contact-contact) | 1.8 kV (DC) |
| Vtest (contact-shell) | 1.7 kV (DC) |
| Max. Solid Conductor | 0.34 mm ² (AWG 22) |
| Max. Stranded Conductor | 0.34 mm ² (AWG 22) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.9 mm (0.035in) |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |

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 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 19.29 g |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eeg-1k-305-cll.html

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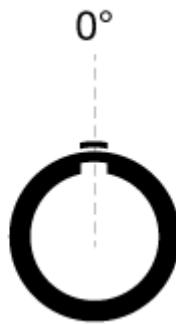
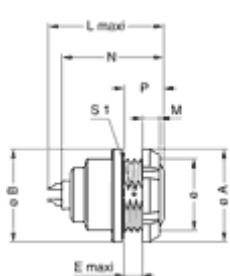
Environment

| | |
|-----------------------------------|---|
| 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 |
| Panel Drill Hole | M16 |

Drawings



Dimensions

| | P | N | M | L | E | e | B | A | S1 |
|-----|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| mm. | 10 | 25.1 | 3.5 | 27 | 6.2 | M16x1.0 | 20 | 20 | 14.5 |
| in. | 0.39 | 0.99 | 0.14 | 1.06 | 0.24 | | 0.79 | 0.79 | 0.57 |

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Recommended By Lemo

Accessories

| | |
|----------------|----------------|
| Compatible cap | BRE.1K.200.NAS |
|----------------|----------------|

Tools

| | |
|-----------|----------------|
| Spanner 2 | DCM.65.176.AZ6 |
|-----------|----------------|

| | |
|----------------|---------------------------------------|
| Spanner wrench | Socket for torque wrench DCM.1E.M16.6 |
|----------------|---------------------------------------|

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.05.T22.051QGZE | TPR (medical) | Grey |  |
| CMN.05.T28.029PGCE | PVC | GREY |  |
| CMN.05.T28.029PGZE | | grey |  |
| CMN.05.T28.029PNCE | PVC | Black |  |
| CMN.05.T28.029PNZE | | |  |
| 150250 | PVC | Grey |  |
| 50090 | PVC | Black | |
| 50140 | PVC | Grey |  |
| 5050 | PVC | Black |  |

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