

Special



Image for illustrative purpose only

Summary

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BKT series

| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 30 |
| Wire Size/AWG | 24 - 20 |
| Gender | Reverse Gender |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Panel Drill Hole | M25 |
| Jacket cable outside diameter [mm] | 4.00 - 23.60 mm |
| Size | 4B |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ecj-4b-330-cyc.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 30 |
| Contact Termination Low voltage | Crimp |
| R (max) | 4.8 mOhm |
| Insert configuration value | 4B.330 - 30 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 5 A |
| Vtest (contact-contact) | 2.5 kV (DC) |
| Vtest (contact-shell) | 2 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 | Reverse Gender |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | EC - Fixed receptacle with two nuts (back panel mounting) |
| Socket / Receptacle | Fixed Panel Rear Mounted |
| Housing material | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system | Push-pull |
| Keying | 2 keys (alpha=37.5, plug: female contacts, receptacle: male contacts) |
| Colour | Grey |
| Weight | 69.41 g |
| Panel Drill Hole | M25 |

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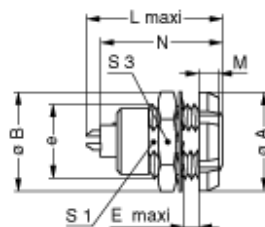
Environment

| | |
|-----------------------------------|--|
| Technical domain | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP50 |
| Endurance | 5000 mating cycles |
| Temperature range | -55°C / +250°C (max. temperature valid for short periods of use.) |
| Climatic Category | 55/175/21 |
| Humidity (max) | <=95% [at 60 deg C /140 F] |
| Shielding (min) | 75 dB (10 MHz) |
| Shielding (min) | 40 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] | 4.00 - 23.60 mm |
|------------------------------------|-----------------|

Drawings



Dimensions

| | A | B | N | S1 | S3 | M | e | E | L |
|-----|------|------|------|------|------|------|---------|------|------|
| mm. | 30 | 34 | 32.6 | 23.5 | 30 | 4.5 | M25x1.0 | 10 | 35.7 |
| in. | 1.18 | 1.34 | 1.28 | 0.93 | 1.18 | 0.18 | | 0.39 | 1.41 |

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Recommended By Lemo

Accessories

| | |
|---------------------|--------------------------------|
| Replacement contact | FGG.4B.560.ZZC |
| Compatible cap | BRE.4S.200.NAS |

Tools





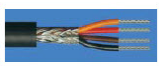


| | |
|-----------------|--------------------------------|
| Spanner 2 | DCM.65.270.AZ |
| Positionner | DCE.91.094.BVC |
| Extraction tool | DCC.09.05B.LAG |
| Crimp tool | DPC.91.701.V |
| Spanner wrench | DCM.65.270.AZ |

CAD

Documents

| | |
|-------|--------------------------|
| Eplan | Download |
|-------|--------------------------|

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|----------|--------|---|
| CMN.30.T22.087PGCE | PVC | GREY |  |
| CMN.30.T22.087PGZE | | grey |  |
| CMN.30.T22.087PNCE | PVC | Black |  |
| CMN.30.T22.087PNZE | | |  |
| 330240 | PVC | Black |  |
| 330260 | PVC | Black |  |
| 430250 | PVC | Grey |  |

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