

Standard



Image for illustrative purpose only

# Summary

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[BKT series](#)

[Customer Drawing](#)

|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Number of contacts Low Voltage     | 5                                               |
| Wire Size/AWG                      | 30 - 22                                         |
| Gender                             | Standard                                        |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Panel Drill Hole                   | M9                                              |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                  |
| Size                               | 0B                                              |

Suggested matching part

FGA.0B.305.CLAD42Z  
FGA.0B.305.CLYD56

Series

B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/ega-0b-305-cll.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/ega-0b-305-cll.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 5                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 6.1 mOhm                      |
| Insert configuration value      | 0B.305 - 5 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 5 A                           |
| Test voltage contact-contact    | 1.4 kV DC                     |
| Test voltage contact-shell      | 1 kV DC                       |
| Max. Solid Conductor            | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor         | 0.34 mm <sup>2</sup> (AWG 22) |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.7 mm (0.028in)              |
| Wire Size/AWG                   | 30 - 22                       |
| Gender                          | Standard                      |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | EG - Fixed receptacle, nut fixing                                                                                             |
| Socket / Receptacle    | Fixed Panel Front 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                 | A: 2 keys (alpha=30, plug: male contacts, receptacle: female contacts)                                                        |
| Colour                 | Grey                                                                                                                          |
| Weight                 | 4.58 g                                                                                                                        |
| Panel Drill Hole       | M9                                                                                                                            |

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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                                                                                                                                   |
| <b>Cable fixation</b>              |                                                                                                                                            |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                                                                                                             |

## Recommended By Lemo

### Caps

|                |                                 |
|----------------|---------------------------------|
| Compatible cap | <a href="#">BRE.OS.200.NAS</a>  |
| Cap 2          | <a href="#">BRE.OS.200.NPSN</a> |
| Plastic Cap    | <a href="#">BRA.OB.200.PCSG</a> |
| Cap BRR        | <a href="#">BRR.OB.200.BSG</a>  |
| Soft Cap       | <a href="#">BEZ.OB.200.SCN</a>  |

### Tools

|         |                                |
|---------|--------------------------------|
| Spanner | <a href="#">DCA.91.161.1TN</a> |
|---------|--------------------------------|

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# 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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