

Standard



Image for illustrative purpose only

## Summary

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### BKT series

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Number of contacts Low Voltage     | 8                                 |
| Wire Size/AWG                      | 20 - 18                           |
| Gender                             | Standard                          |
| Socket / Receptacle                | Socket / Receptacle - Free        |
| Locking system                     | Push-pull                         |
| Jacket cable outside diameter [mm] | 9.30 - 10.00 mm                   |
| Size                               | 3B                                |
| Suggested matching part            | <a href="#">FGG.3B.308.CYCD10</a> |
| Series                             | B - Indoor keyed                  |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/phg-3b-308-cymd10.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-3b-308-cymd10.html)

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# Technical details

## Electrical Configuration

|                                    |                              |
|------------------------------------|------------------------------|
| Number of contacts Low Voltage     | 8                            |
| Contact Termination Low voltage    | Crimp                        |
| R (max)                            | 3.6 mOhm                     |
| Insert configuration value         | 3B.308 - 8 Low Voltage       |
| Footprint IPC Class3 compatibility | No                           |
| Insulator                          | Y: PEEK for crimp contacts   |
| Rated current                      | 13 A                         |
| Vtest (contact-contact)            | 2.6 kV (DC)                  |
| Vtest (contact-shell)              | 2.5 kV (DC)                  |
| Contact retention                  | 40 N                         |
| Max. Conductor                     | 1 mm <sup>2</sup> (AWG 18)   |
| Min. Conductor                     | 0.5 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                        | 1.4 mm (0.055in)             |
| Contact Dia.                       | 1.3 mm (0.051in)             |
| Wire Size/AWG                      | 20 - 18                      |
| Gender                             | Standard                     |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | PH - Free receptacle, cable collet                                                                                            |
| Socket / Receptacle    | Free                                                                                                                          |
| 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                                          |
| Colour                 | Grey                                                                                                                          |
| Weight                 | 58.33 g                                                                                                                       |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/phg-3b-308-cymd10.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-3b-308-cymd10.html)

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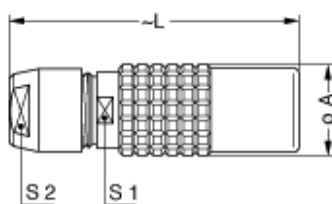
## Environment

|                                   |                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 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

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 9.30 - 10.00 mm                              |

## Drawings



## Dimensions

|     | A    | S1   | S2   | L   |
|-----|------|------|------|-----|
| mm. | 19   | 15   | 14   | 56  |
| in. | 0.75 | 0.59 | 0.55 | 2.2 |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/phg-3b-308-cymd10.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-3b-308-cymd10.html)

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# Recommended By Lemo

| Accessories         |                                  |
|---------------------|----------------------------------|
| Replacement contact | <a href="#">EGG.3B.665.ZZM</a>   |
| Compatible cap      | <a href="#">BRF.3S.200.NAS</a>   |
| Tools               |                                  |
| Spanner             | <a href="#">DCP.91.023.TN</a>    |
| Positionner         | <a href="#">DCE.91.133.BVM</a>   |
| Extraction tool     | <a href="#">DCC.13.15B.LAG</a>   |
| Crimp tool          | <a href="#">DPC.91.701.V</a>     |
| Spanner wrench      | <a href="#">DCD.3B.ZZZ.PA140</a> |

## Cables

| Cable PartNumber | Material | Colour | Cable image                                                                          |
|------------------|----------|--------|--------------------------------------------------------------------------------------|
| 380750           | PVC      | Grey   |  |