

Special

*Image for illustrative purpose only*

## Summary

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

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Number of contacts Low Voltage     | 12                                |
| Wire Size/AWG                      | 30 - 22                           |
| Gender                             | Standard                          |
| Plug                               | Plug - Elbow                      |
| Locking system                     | Push-pull                         |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm                    |
| Size                               | 2B                                |
| Suggested matching part            | <a href="#">EGG.2B.312.CLL</a>    |
| Alternative part                   | <a href="#">FPG.2B.312.CLAD62</a> |
| Series                             | B - Indoor keyed                  |

# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 12                            |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 6.1 mOhm                      |
| Insert configuration value      | 2B.312 - 12 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 7 A                           |
| Test voltage contact-contact    | 1.8 kV DC                     |
| Test voltage contact-shell      | 2 kV DC                       |
| Max. 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                      |

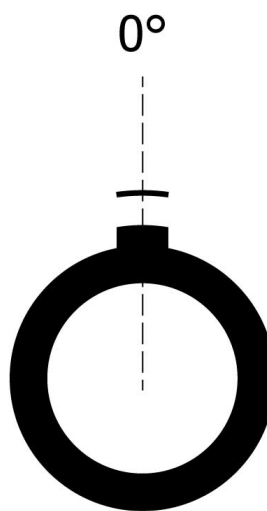
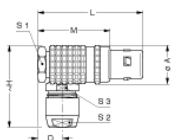
## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FH - Elbow plug, cable collet                                                                                                 |
| Plug                   | Elbow                                                                                                                         |
| 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                                             |
| Colour                 | Grey                                                                                                                          |
| Weight                 | 40.76 g                                                                                                                       |

## 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>              |                                                                                                                                            |
| Cable termination protection       | Standard back nut (no additional protection)                                                                                               |
| Fixation type                      | Cable collet                                                                                                                               |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm                                                                                                                             |

## Drawings



Dimensions

|     | A    | D    | H    | L    | M    | S1   | S2   | S3   |
|-----|------|------|------|------|------|------|------|------|
| mm. | 16.5 | 9    | 34   | 41.5 | 29.5 | 14   | 12   | 13   |
| in. | 0.65 | 0.35 | 1.34 | 1.63 | 1.16 | 0.55 | 0.47 | 0.51 |

Recommended By Lemo

| Caps           |                                 |
|----------------|---------------------------------|
| Compatible cap | <a href="#">BHY.2B.100.NAZ</a>  |
| Plastic Cap    | <a href="#">BFG.2B.100.PCSG</a> |
| Soft Cap       | <a href="#">BFZ.2B.100.SCN</a>  |

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# Cables

| Cable PartNumber   | Material | Colour | Cable image                                                                         |
|--------------------|----------|--------|-------------------------------------------------------------------------------------|
| CMN.12.T28.054PGZE |          | grey   |  |
| CMN.12.T28.054PNZE |          |        |  |
| 112260             | PTFE     | White  |  |
| 112280             | PVC      | Black  |  |