

Special



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## Summary

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BKT series

|                                    |                         |
|------------------------------------|-------------------------|
| Number of contacts Low Voltage     | 4                       |
| Wire Size/AWG                      | 26 - 22                 |
| Gender                             | Reverse Gender          |
| Plug                               | Plug - Elbow            |
| Locking system                     | Push-pull               |
| Jacket cable outside diameter [mm] | 6.10 - 6.50 mm          |
| Size                               | 0T                      |
| Series                             | T - Small Outdoor keyed |

[https://www.lemo.com/int\\_en/solutions/originals/t-outdoor-keyed/fsl-0t-304-cymk65.html](https://www.lemo.com/int_en/solutions/originals/t-outdoor-keyed/fsl-0t-304-cymk65.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 4                             |
| Contact Termination Low voltage | Crimp                         |
| R (max)                         | 6.1 mOhm                      |
| Insert configuration value      | T.304 - 4 Low Voltage         |
| Insulator                       | Y: PEEK for crimp contacts    |
| Rated current                   | 7 A                           |
| Vtest (contact-contact)         | 2 kV (DC)                     |
| Vtest (contact-shell)           | 1.6 kV (DC)                   |
| Contact retention               | 22 N                          |
| Max. Conductor                  | 0.34 mm <sup>2</sup> (AWG 22) |
| Min. Conductor                  | 0.14 mm <sup>2</sup> (AWG 26) |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.7 mm (0.028in)              |
| Wire Size/AWG                   | 26 - 22                       |
| Gender                          | Reverse Gender                |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | FS - Adjustable right angle Anglissimo plug (8 selective positions) with 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                 | L: 2 keys (gamma=80, plug: female contacts, receptacle: male contacts)  |
| Colour                 | Grey  |
| Weight                 | 13.57 g   |

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## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Test and Measurement                                       |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | >3000 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]  |
| Resistance to vibration           | 15 g [10 Hz - 2000 Hz]  |
| Shock Resistance                  | 100 g [ 6 ms]   |
| Salt Spray Corrosion              | >1000 hr  |
| Note                              | Cable diameter is specific for Anglissimo to enable easy termination of connector |

## Cable fixation

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 6.10 - 6.50 mm                               |

# Drawings



## Dimensions

|     | A    | H    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|------|
| mm. | 10   | 23   | 36   | 26   | 7    | 9.5  |
| in. | 0.39 | 0.91 | 1.42 | 1.02 | 0.28 | 0.37 |

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# Recommended By Lemo

| Accessories         |                                |
|---------------------|--------------------------------|
| Replacement contact | <a href="#">EGG.0B.655.ZZM</a> |
| Compatible cap      | <a href="#">BFG.0T.100.CAS</a> |
| Tools               |                                |
| Spanner 2           | <a href="#">DCP.TT.FSG.TN</a>  |
| Positionner         | <a href="#">DCE.91.070.BVM</a> |
| Extraction tool     | <a href="#">DCC.07.04B.LAG</a> |
| Crimp tool          | <a href="#">DPC.91.701.V</a>   |

## Cables

| Cable PartNumber   | Material | Colour | Cable image  |
|--------------------|----------|--------|--|
| 417920             | PVC      | Grey   |   |
| CTR.75.030.121870G | PVC      | Grey   |  |