

Special



*Image for illustrative purpose only*

## Summary

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BKT series

|                                    |                         |
|------------------------------------|-------------------------|
| Wire Size/AWG                      | 26 - 22                 |
| Gender                             | Standard                |
| Plug                               | Plug - Straight         |
| Locking system                     | Snap-on                 |
| Jacket cable outside diameter [mm] | 4.10 - 4.50 mm          |
| Size                               | 1T                      |
| Series                             | T - Small Outdoor keyed |

[https://www.lemo.com/int\\_en/solutions/originals/t-small-outdoor-keyed/ffa-1t-305-cybc45z.html](https://www.lemo.com/int_en/solutions/originals/t-small-outdoor-keyed/ffa-1t-305-cybc45z.html)

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# Technical details

## Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| R (max) - electrical contact resistance | 4.8 mOhm                      |
| Rated current                           | 9 A                           |
| Test voltage contact-contact            | 1.9 kV DC                     |
| Test voltage contact-shell              | 2.2 kV DC                     |
| Contact retention                       | 30 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.                            | 0.9 mm (0.035in)              |
| Wire Size/AWG                           | 26 - 22                       |
| Gender                                  | Standard                      |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FF - Straight Plug, non latching, cable collet                                                                                |
| Plug                   | Straight                                                                                                                      |
| 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         | Snap-on                                                                                                                       |
| Keying                 | A: 2 keys (alpha=30, plug: male contacts, receptacle: female contacts)                                                        |
| Colour                 | Grey                                                                                                                          |
| Weight                 | 9.68 g                                                                                                                        |

## Environment

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Technical domain                  | Energy and Industrial, Test and Measurement                       |
| Environmental sealing (IP rating) | IP68                                                              |
| 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]                                        |
| Shock Resistance                  | 100 g [ 6 ms]                                                     |
| Vibration                         | 15 g [10 Hz - 2000 Hz]                                            |
| Salt Spray Corrosion              | >1000 hr                                                          |

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## Cable fixation

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 4.10 - 4.50 mm        |

## Drawings



## Dimensions

|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 12   | 46   | 35   | 10   | 9    |
| in. | 0.47 | 1.81 | 1.38 | 0.39 | 0.35 |

## Recommended By Lemo

### Contacts

Replacement contact [FGG.1B.561.ZZC](#)

### Caps

Soft Cap [BFZ.1T.100.SCN](#)

### Bend Reliefs

|                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|
| <a href="#">GMA.1B.045.DG</a> | <a href="#">GMA.1B.045.DA</a> | <a href="#">GMA.1B.045.DB</a> |
| <a href="#">GMA.1B.045.DJ</a> | <a href="#">GMA.1B.045.DM</a> | <a href="#">GMA.1B.045.DN</a> |
| <a href="#">GMA.1B.045.DR</a> | <a href="#">GMA.1B.045.DS</a> | <a href="#">GMA.1B.045.DV</a> |

### Tools

|                 |                                |
|-----------------|--------------------------------|
| Spanner         | <a href="#">DCP.0T.110.TN</a>  |
| Positionner     | <a href="#">DCE.91.091.BVC</a> |
| Extraction tool | <a href="#">DCC.09.05B.LAG</a> |
| Crimp tool      | <a href="#">DPC.91.701.V</a>   |

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# Cables

| Cable PartNumber | Material | Colour | Cable image |
|------------------|----------|--------|-------------|
| 50090            | PVC      | Black  |             |