

Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

BKT series

|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 10  |
| Wire Size/AWG                      | 24 - 20   |
| Gender                             | Standard  |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Panel Drill Hole                   | M20   |
| Jacket cable outside diameter [mm] | 1.00 - 18.60 mm                                 |
| Size                               | 2K  |
| Suggested matching part            | <a href="#">FGG.2K.310.CYCC65</a>               |
| Series                             | K - Outdoor keyed                               |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/egg-2k-310-cym.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/egg-2k-310-cym.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 10                            |
| Contact Termination Low voltage | Crimp                         |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 2K.310 - 10 Low Voltage       |
| Insulator                       | Y: PEEK for crimp contacts    |
| Rated current                   | 8 A                           |
| Vtest (contact-contact)         | 2.6 kV (DC)                   |
| Vtest (contact-shell)           | 3 kV (DC)                     |
| Contact retention               | 30 N                          |
| Max. Conductor                  | 0.5 mm <sup>2</sup> (AWG 20)  |
| Min. Conductor                  | 0.25 mm <sup>2</sup> (AWG 24) |
| Bucket Dia.                     | 1.1 mm (0.043in)              |
| Contact Dia.                    | 0.9 mm (0.035in)              |
| Wire Size/AWG                   | 24 - 20                       |
| 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, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Locking system         | Push-pull  |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Colour                 | Grey   |
| Weight                 | 37.69 g  |
| Panel Drill Hole       | M20  |

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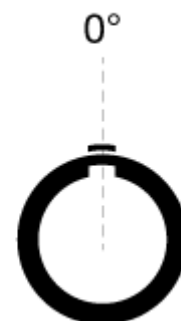
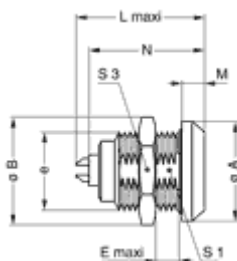
## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Audio Video, Energy and Industrial, Medical, Test and Measurement |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | 5000 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]  |
| Shielding (min)                   | 95 dB (10 MHz)  |
| Shielding (min)                   | 80 dB (1 GHz)   |
| Shock Resistance                  | 100 g [ 6 ms]   |
| Vibration                         | 15 g [10 Hz - 2000 Hz]  |
| Salt Spray Corrosion              | >1000 hr  |

## Cable fixation

|                                    |                 |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.00 - 18.60 mm |
|------------------------------------|-----------------|

## Drawings



## Dimensions

|     | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> | <b>N</b> | <b>S1</b> | <b>S3</b> | <b>A</b> | <b>B</b> |
|-----|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|
| mm. | M20x1.0  | 9        | 30.7     | 5        | 28.6     | 18.5      | 24        | 25       | 27.5     |
| in. |          | 0.35     | 1.21     | 0.2      | 1.13     | 0.73      | 0.94      | 0.98     | 1.08     |

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# Recommended By Lemo

## Accessories

Replacement contact [EGG.2B.660.ZZM](#)

Compatible cap [BRE.2K.200.NAS](#)










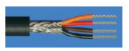

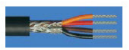


## Tools

Positionner [DCE.91.092.BVM](#)

Extraction tool [DCC.09.05B.LAG](#)

Crimp tool [DPC.91.701.V](#)

# Cables

| Cable PartNumber   | Material      | Colour | Cable image  |
|--------------------|---------------|--------|--|
| CMN.10.T20.080PGZE |               | grey   |    |
| CMN.10.T20.080PNZE |               |        |    |
| CMN.10.T20.080QGC  | TPR           | Grey   |  |
| CMN.10.T22.068QGZE | TPR (medical) | Grey   |  |
| CMN.10.T28.052PGZE |               | grey   |  |
| CMN.10.T28.052PNZE |               |        |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey   |  |
| 110220             | PVC           | Black  |   |
| 110240             | PTFE          | White  |  |
| 110260             | PTFE          | White  |  |
| 110280             | PVC           | Black  |   |
| 210140             | PVC           | Grey   |   |
| 210240             | PVC           | Black  |   |
| 210250             | PVC           | Grey   |  |
| 210260             | PVC           | Black  |   |

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