

[Standard](#)

*Image for illustrative purpose only*

## Summary

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

|                                    |                                                |
|------------------------------------|------------------------------------------------|
| Number of contacts Low Voltage     | 2                                              |
| Wire Size/AWG                      | 28 - 20                                        |
| Gender                             | Standard                                       |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                     | Push-pull                                      |
| Panel Drill Hole                   | M9                                             |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                 |
| Size                               | 0B                                             |
| Suggested matching part            | <a href="#">FGG.0B.302.CLAD32</a>              |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/hmg-0b-302-cllpv.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/hmg-0b-302-cllpv.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.



# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 2                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 0B.302 - 2 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 10 A                          |
| Vtest (contact-contact)         | 1.9 kV (DC)                   |
| Vtest (contact-shell)           | 1.5 kV (DC)                   |
| Max. Solid Conductor            | 0.56 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor         | 0.56 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                     | 1.0 mm (0.039in)              |
| Contact Dia.                    | 0.9 mm (0.035in)              |
| Wire Size/AWG                   | 28 - 20                       |
| Gender                          | Standard                      |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | HM - Fixed receptacle with grounding tab, nut fixing, watertight or vacuum-tight (back panel mounting)                        |
| Socket / Receptacle    | Fixed Panel Rear Mounted                                                                                                      |
| 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                                                                                                                          |
| Variant                | Watertight / Vacuum-tested unmated (connector to device)                                                                      |
| Weight                 | 5.51 g                                                                                                                        |
| Panel Drill Hole       | M9                                                                                                                            |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/hmg-0b-302-cllpv.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/hmg-0b-302-cllpv.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## Environment

|                                   |                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Technical domain                  | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | Hermetic unmated                                                                                                                           |
| Endurance                         | 5000 mating cycles                                                                                                                         |
| Temperature range                 | -20°C / +100°C                                                                                                                             |
| Climatic Category                 | 20/80/21                                                                                                                                   |
| 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]                                                                                                                     |
| Pressure                          | 60 bars                                                                                                                                    |
| R leak (He) (max)                 | 10 <sup>-7</sup> mbar·l/s (if vacuum-tested)                                                                                               |
| Salt Spray Corrosion              | >1000 hr                                                                                                                                   |

## Cable fixation

|                                    |                |
|------------------------------------|----------------|
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm |
|------------------------------------|----------------|

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BRE.0S.200.NAS</a> |
|----------------|--------------------------------|

## Tools

|                |                                                       |
|----------------|-------------------------------------------------------|
| Spanner 2      | <a href="#">DCM.65.106.AZ4</a>                        |
| Spanner wrench | <a href="#">Socket for torque wrench DCM.0S.M09.4</a> |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/hmg-0b-302-cllpv.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/hmg-0b-302-cllpv.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Cables

| Cable PartNumber   | Material | Colour | Cable image                                                                          |
|--------------------|----------|--------|--------------------------------------------------------------------------------------|
| CMN.02.T28.030PGCE | PVC      | GREY   |    |
| CMN.02.T28.030PGZE |          | grey   |     |
| CMN.02.T28.030PNCE | PVC      | Black  |    |
| CMN.02.T28.030PNZE |          |        |     |
| 102080             | PVC      | Grey   |                                                                                      |
| 120184             | PVC      | Black  |    |
| 120240             | PVC      | Black  |     |
| 120250             | PVC      | Grey   |    |
| 20140              | PVC      | Grey   |    |
| 20140              | PVC      | Grey   |    |
| 20141              | PVC      | Grey   |     |
| 20142              | PVC      | Red    |    |
| 20143              | PVC      | Green  |   |
| 20144              | PVC      | Black  |  |
| 20145              | PVC      | Yellow |  |
| 20146              | PVC      | Black  |  |
| 20240              | PTFE     | White  |   |
| 20260              | PVC      | Black  |   |
| 20264              | PVC      | Black  |  |
| 20266              | PVC      | Violet |  |
| 2050               | PVC      | Black  |  |
| 20550              | PUR      | Black  |   |
| 20560              | PUR      | White  |   |
| 2080               | PVC      | Grey   |                                                                                      |
| 2221               | PVC      | Black  |   |
| 2260               | PTFE     | White  |   |
| 2280               | PVC      | Black  |   |
| 4082               | PVC      | Grey   |                                                                                      |
| CMB.02.210.635     | PUR      | Black  |                                                                                      |

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/hmg-0b-302-cllpv.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/hmg-0b-302-cllpv.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.