

Standard



*Image for illustrative purpose only*

## Summary

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|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Number of contacts Low Voltage     | 2                                               |
| Wire Size/AWG                      | 30 - 22                                         |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm                                 |
| Size                               | 0E                                              |
| Suggested matching part            | <a href="#">FFA.0E.302.CLAC25</a>               |
| Series                             | E - Outdoor Stepped Insert                      |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/hgp-0e-302-cllp.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/hgp-0e-302-cllp.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 2                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 0E.302 - 2 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 10 A                          |
| Test voltage (kV DC)            | 1.6                           |
| Max. Solid Conductor            | 0.34 mm <sup>2</sup> (AWG 22) |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.9 mm (0.0354in)             |
| Wire Size/AWG                   | 30 - 22                       |

## Form & Material

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | HGP - Fixed receptacle, nut fixing, watertight or vacuum-tight                                                             |
| 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                 | Hermaphroditic keying (half moon insert) with female pin 1                                                                 |
| Colour                 | Grey                                                                                                                       |
| Variant                | Watertight unmated (connector to device)                                                                                   |
| Weight                 | 13.49 g                                                                                                                    |

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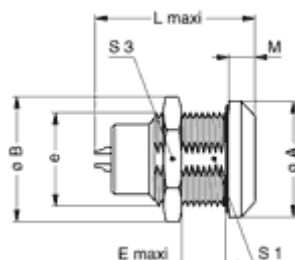
## Environment

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| Technical domain                  | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | IP68                                        |
| 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)                   | 95 dB (10 MHz)                              |
| Shielding (min)                   | 80 dB (1 GHz)                               |
| Shock Resistance                  | 100 g [ 6 ms]                               |
| Vibration                         | 15 g [10 Hz - 2000 Hz]                      |
| Pressure                          | 60 bars                                     |
| Salt Spray Corrosion              | >1000 hr                                    |

## Cable fixation

|                                    |                 |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm |
|------------------------------------|-----------------|

# Drawings



## Dimensions

|     | A    | B    | e       | E    | L    | M    | S1   | S3   |
|-----|------|------|---------|------|------|------|------|------|
| mm. | 18   | 19.5 | M14x1.0 | 5.5  | 23.5 | 4    | 12.5 | 17   |
| in. | 0.71 | 0.77 |         | 0.22 | 0.93 | 0.16 | 0.49 | 0.67 |

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# Recommended By Lemo

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

## CAD

| Documents |                          |
|-----------|--------------------------|
| Eplan     | <a href="#">Download</a> |

# 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  |                                                                                      |

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