



*Image for illustrative purpose only*

## Summary

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|                                |                            |
|--------------------------------|----------------------------|
| Number of contacts Low Voltage | 16                         |
| Locking system                 | Push-pull                  |
| Size                           | 3E                         |
| Series                         | E - Outdoor Stepped Insert |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/swh-3e-316-clcsv.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/swh-3e-316-clcsv.html)

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# Technical details

## Electrical Configuration

|                                |                           |
|--------------------------------|---------------------------|
| Number of contacts Low Voltage | 16                        |
| Insert configuration value     | 3E.316 - 16 Low Voltage   |
| Insulator                      | L: PEEK (UL 94 / V-0/1.5) |
| Rated current                  | 7 A                       |
| Test voltage (kV DC)           | 1.5                       |
| Contact Dia.                   | 0.9                       |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | SWH - Fixed coupler, nut fixing, watertight or vaccumtight, special potting  |
| 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, pin 1 female on flange side, male on other side   |
| Colour                 | Grey   |
| Variant                | Watertight / Vacuum-tested unmated (connector to device), special potting  |

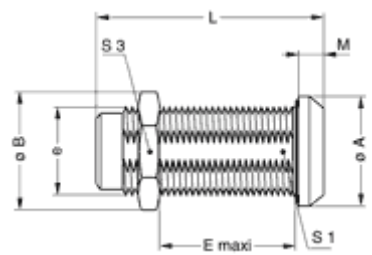
## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | Hermetic unmated                            |
| Endurance                         | 5000 mating cycles                          |
| Climatical 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]                      |
| R leak (He) (max)                 | 0.0000001 mbar*/s (if vacuum-tested)        |
| Salt Spray Corrosion              | >1000 hr                                    |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/swh-3e-316-cllsv.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/swh-3e-316-cllsv.html)

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# Drawings



## Dimensions

|     | A    | B    | e       | E   | L    | M    | S1   | S3   |
|-----|------|------|---------|-----|------|------|------|------|
| mm. | 31   | 34.5 | M24x1.0 | 33  | 64.2 | 6    | 22.5 | 30   |
| in. | 1.22 | 1.36 |         | 1.3 | 2.53 | 0.24 | 0.89 | 1.18 |

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BRE.3K.200.NAS</a> |
|----------------|--------------------------------|