



*Image for illustrative purpose only*

## Summary

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[W series en](#)

|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| Number of contacts Low Voltage | 5                                               |
| Wire Size/AWG                  | 30 - 22                                         |
| Gender                         | Standard                                        |
| Socket / Receptacle            | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                 | Threaded                                        |
| Panel Drill Hole               | M14                                             |
| Size                           | 1W                                              |
| Suggested matching part        | <a href="#">FVG.1W.305.CLAC50</a>               |
| Series                         | W - Underwater                                  |

[https://www.lemo.com/int\\_en/solutions/supreme/w-underwater/hvg-1w-305-cllp.html](https://www.lemo.com/int_en/solutions/supreme/w-underwater/hvg-1w-305-cllp.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 5                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 1W.305 - 5 Low Voltage        |
| Rated current                   | 9 A                           |
| Test voltage contact-contact    | 1250 V (AC) 1800 V (DC)       |
| Test voltage contact-shell      | 1150 V (AC) 1600 V (DC)       |
| Max. Solid Conductor            | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor         | 0.34 mm <sup>2</sup> (AWG 22) |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.9 mm (0.035in)              |
| Wire Size/AWG                   | 30 - 22                       |
| Gender                          | Standard                      |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | HV - Fixed socket, nut fixing, vacuumtight                                                                                    |
| Socket / Receptacle    | Fixed Panel Front 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         | Threaded                                                                                                                      |
| Keying                 | G: 1 key (alpha=0, Plug: male contacts, Receptacle: female contacts)                                                          |
| Colour                 | Grey                                                                                                                          |
| Variant                | Watertight unmated (connector to device)                                                                                      |
| Weight                 | 20.27 g                                                                                                                       |
| Panel Drill Hole       | M14                                                                                                                           |

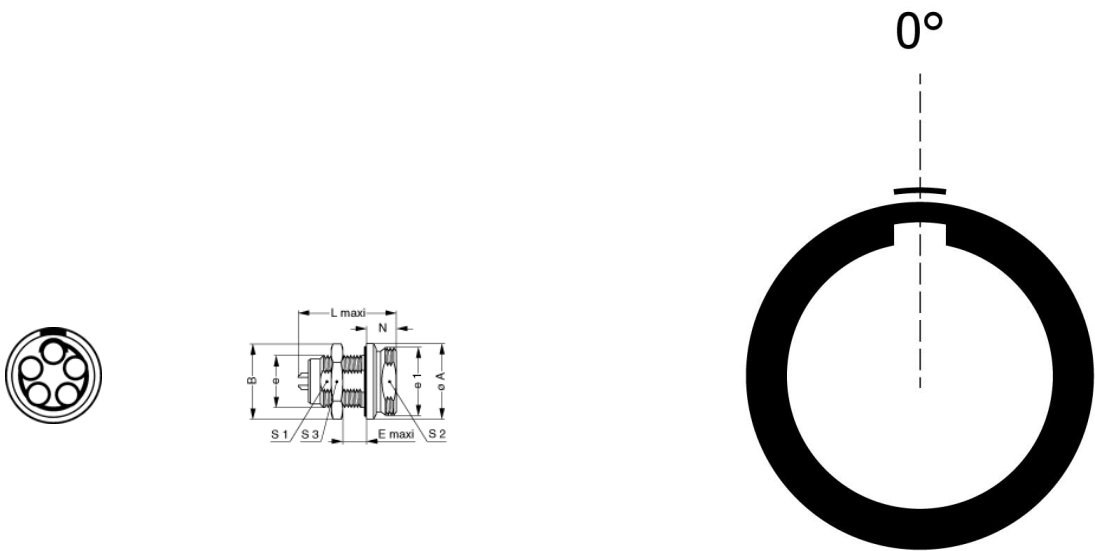
[https://www.lemo.com/int\\_en/solutions/supreme/w-underwater/hvg-1w-305-cllp.html](https://www.lemo.com/int_en/solutions/supreme/w-underwater/hvg-1w-305-cllp.html)

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Environment

|                                   |                            |
|-----------------------------------|----------------------------|
| Technical domain                  | Specialties and Other      |
| Environmental sealing (IP rating) | IP68                       |
| Endurance                         | 1000 mating cycles         |
| Temperature range                 | -20°C / +100°C             |
| Climatic Category                 | 20/200/21                  |
| Humidity (max)                    | <=95% [at 60 deg C /140 F] |
| Shielding (min)                   | 95 dB (10 MHz)             |
| Shielding (min)                   | 80 dB (1 GHz)              |
| Pressure                          | 60 bars                    |
| Salt Spray Corrosion              | >1000 hr                   |

Drawings



Dimensions

|     | A    | B    | e       | e1      | E    | L    | N    | S1   | S2   | S3   |
|-----|------|------|---------|---------|------|------|------|------|------|------|
| mm. | 18.3 | 19.5 | M14x1.0 | M16x1.0 | 11.5 | 30   | 8    | 12.5 | 14.5 | 17   |
| in. | 0.72 | 0.77 |         |         | 0.45 | 1.18 | 0.31 | 0.49 | 0.57 | 0.67 |

# Recommended By Lemo

## Caps

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BRE.1V.200.NAV</a> |
| Cap 2          | <a href="#">BRS.1W.200.CAV</a> |

## Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                           |
|--------------------|---------------|--------|---------------------------------------------------------------------------------------|
| CMN.05.T22.051QGZE | TPR (medical) | Grey   |    |
| CMN.05.T28.029PGCE | PVC           | GREY   |    |
| CMN.05.T28.029PGZE |               | grey   |    |
| CMN.05.T28.029PNCE | PVC           | Black  |    |
| CMN.05.T28.029PNZE |               |        |   |
| 150250             | PVC           | Grey   |  |
| 50090              | PVC           | Black  |                                                                                       |
| 50140              | PVC           | Grey   |  |
| 5050               | PVC           | Black  |  |