



*Image for illustrative purpose only*

## Summary

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[W series en](#)

|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 9                              |
| Wire Size/AWG                      | 34 - 28                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Threaded                       |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm                 |
| Size                               | 0W                             |
| Suggested matching part            | <a href="#">EVG.0W.309.CLL</a> |
| Series                             | W - Underwater                 |

[https://www.lemo.com/int\\_en/solutions/supreme/w-underwater/fvg-0w-309-clak50.html](https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-0w-309-clak50.html)

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# Technical details

## Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Number of contacts Low Voltage          | 9                             |
| Contact Termination Low voltage         | Solder                        |
| R (max) - electrical contact resistance | 8.7 mOhm                      |
| Insert configuration value              | 0W.309 - 9 Low Voltage        |
| Rated current                           | 2 A                           |
| Test voltage contact-contact            | 600 V (AC) 800 V (DC)         |
| Test voltage contact-shell              | 500 V (AC) 700 V (DC)         |
| Max. Solid Conductor                    | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor                 | 0.09 mm <sup>2</sup> (AWG 28) |
| Bucket Dia.                             | 0.45 mm (0.018 in)            |
| Contact Dia.                            | 0.5 mm (0.0197 in)            |
| Wire Size/AWG                           | 34 - 28                       |
| Gender                                  | Standard                      |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FV - Straight plug, cable collet                                                                                              |
| Plug                   | Straight                                                                                                                      |
| 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                                                                                                                          |
| Weight                 | 29.7 g                                                                                                                        |

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## Environment

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Technical domain                  | Specialties and Other                                             |
| Environmental sealing (IP rating) | IP68                                                              |
| Endurance                         | 1000 mating cycles                                                |
| Temperature range                 | -20°C / +200°C (max. temperature valid for short periods of use.) |
| 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                          | 30 bars                                                           |
| Salt Spray Corrosion              | >1000 hr                                                          |

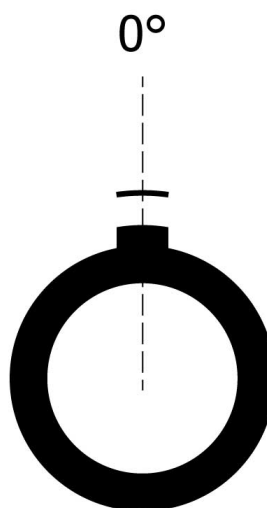
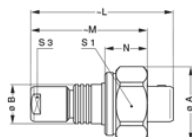
## Cable fixation

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm                               |

# Drawings

[https://www.lemo.com/int\\_en/solutions/supreme/w-underwater/fvg-0w-309-clak50.html](https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-0w-309-clak50.html)

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## Dimensions

|     | A    | B    | L    | M    | N    | S1   | S3   |
|-----|------|------|------|------|------|------|------|
| mm. | 17.2 | 8.9  | 35.5 | 30.8 | 13.5 | 16   | 8    |
| in. | 0.68 | 0.35 | 1.4  | 1.21 | 0.53 | 0.63 | 0.31 |

## Recommended By Lemo

### Caps

Compatible cap

[BFG.0W.100.NAZ](#)

## Cables

| Cable PartNumber   | Material | Colour | Cable image |
|--------------------|----------|--------|-------------|
| CMN.09.T28.050CNQZ |          |        |             |

[https://www.lemo.com/int\\_en/solutions/supreme/w-underwater/fvg-0w-309-clak50.html](https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-0w-309-clak50.html)

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