

SUMMARY

Wires

Low voltage 16



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 1K |
| Termination type | Male crimp |
| IP rating | 68 |
| AWG wire size | 32.00 - 28.00 |
| Cable Ø | 6.10 - 6.50 mm |
| Status | active |
| Matching parts | EGG.1K.316.CLL |

Download

[Request a quote](#)

[Catalog](#)

TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | FH*: Elbow plug, cable collet |
| Keying | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| 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 |
| Weight | 34.60 g |

Performance

| | |
|---------------|----------------------------|
| Configuration | 1K.316 : 16 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated Current | 1.5 Amps |

Specifications

| | |
|------------------------|--------------------------------|
| Contact Type: | Crimp |
| Contact Retention: | 12 N |
| Contact Dia.: | 0.5 mm (0.02in) |
| Bucket Dia.: | 0.45 mm (0.018in) |
| Min. Conductor: | 0.035 mm ² (AWG 32) |
| Max. Conductor: | 0.09 mm ² (AWG 28) |
| R (max): | 8.7 mOhm |
| Vtest (contact-shell): | 1600 V (AC), 2250 V (DC) |

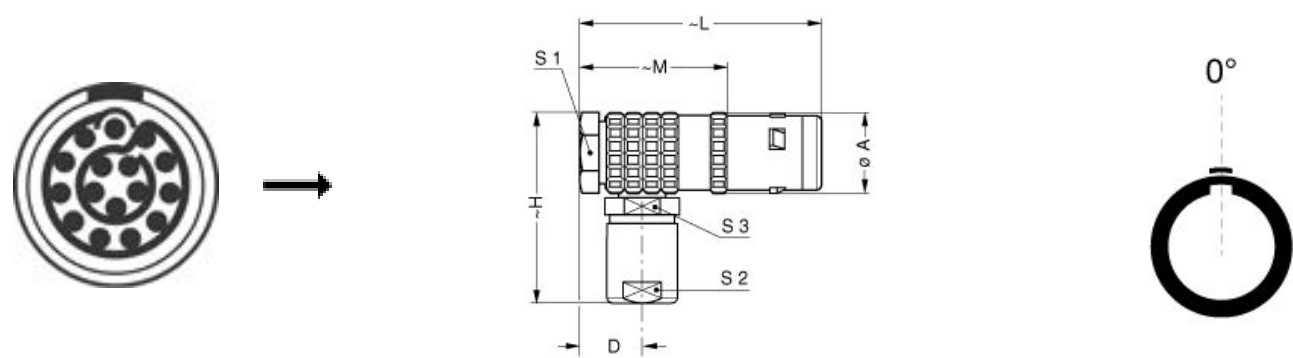
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO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

Vtest (contact-contact): 950 V (AC), 1340 V (DC)

Others

- Endurance (Shell): 5000 mating cycles
- Temp (min / max): -55°C / +200°C
- Humidity (max): <=95% [at 60 deg C / 140 F]
- Vibration: 15 g [10 Hz - 2000 Hz]
- Shock Resistance: 100 g [6 ms]
- Climatical Category: 50/175/21
- Shielding (min): 95 dB (10 MHz)
- Shielding (min): 80 dB (1 GHz)
- Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

| | A | D | H | L | M | S1 | S2 | S3 |
|-----|------|------|------|------|------|------|------|------|
| mm. | 14 | 8.8 | 33 | 43 | 29 | 12 | 9 | 10 |
| in. | 0,55 | 0,35 | 1,30 | 1,69 | 1,14 | 0,47 | 0,35 | 0,39 |

RECOMMENDED BY LEMO

Tools

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.

| | |
|----------------------|----------------------------------|
| Crimp Tool: | DPC.91.701.V |
| Crimp settings: | AWG/Selector = 28-30-32/4-3-3 |
| Positionner: | DCE.91.051.BVC |
| Extractor: | DCF.91.050.2LT |
| Replacement contact: | FGG.1B.554.ZZC |
| Spanner wrench: | DCD.1E.008.PA090 |

Cables

| | | | |
|--------|-----|-------|---|
| 116280 | PVC | Black |  |
|--------|-----|-------|---|

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.