

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 1B                             |
| Termination type | Male crimp                     |
| IP rating        | 50                             |
| AWG wire size    | 24.00 - 20.00                  |
| Cable Ø          | 5.30 - 6.20 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">EGA.1B.305.CYM</a> |

### Download

[Request a quote](#)

[Eplan](#)

[Catalog](#)

[See video assembly instructions](#)

## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief                                                            |
| Keying            | 2 keys (alpha=30, 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 |
| Variant           | Z : Nut for fitting a bend relief                                                                                             |
| Weight            | 16.68 g                                                                                                                       |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 1B.305 : 5 Low Voltage     |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 9 Amps                     |

### Specifications

Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.1 mm (0.043in)  
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)

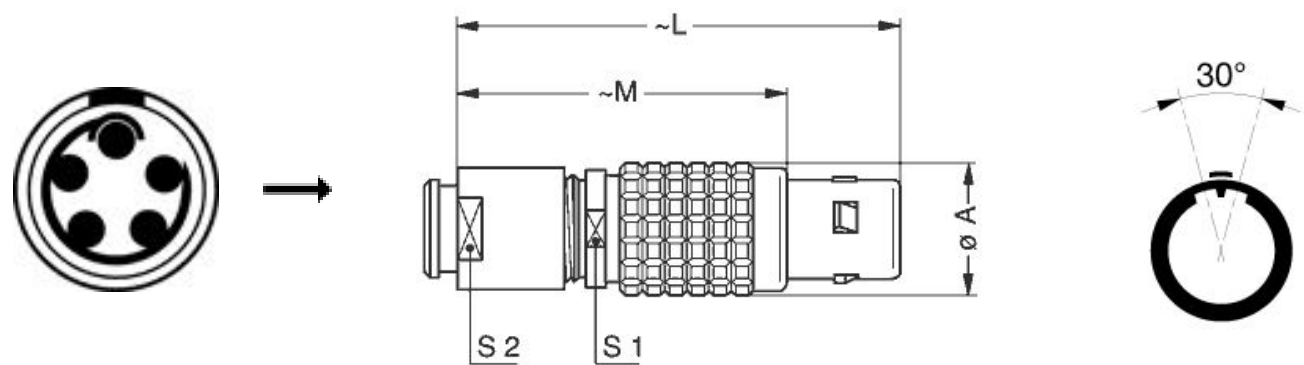
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO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

R (max): 4.8 mOhm  
Vtest (contact-shell): 1550 V (AC), 2200 V (DC)  
Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

Others

Endurance (Shell): 5000  
Temp (min / max): -55° C / +250° 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): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 12   | 42   | 31   | 10   | 9    |
| in. | 0,47 | 1,65 | 1,22 | 0,39 | 0,35 |

RECOMMENDED BY LEMO

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.

## Tools

|                      |                                  |
|----------------------|----------------------------------|
| Crimp Tool:          | <a href="#">DPC.91.701.V</a>     |
| Crimp settings:      | AWG/Selector = 20-22-24/6-5-5    |
| Positionner:         | <a href="#">DCE.91.091.BVC</a>   |
| Extractor:           | <a href="#">DCF.91.090.2LT</a>   |
| Replacement contact: | FGG.1B.560.ZZC                   |
| Spanner wrench:      | <a href="#">DCD.1B.015.PA090</a> |

## Cables

|                    |               |      |                                                                                     |
|--------------------|---------------|------|-------------------------------------------------------------------------------------|
| CMN.05.T20.057PGZE |               | Grey |  |
| CMN.05.T20.057PNZE |               |      |  |
| CMN.05.T20.057QGZE | TPR (medical) | Grey |  |
| 150250             | PVC           | Grey |   |

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.