



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage | 40 |
| Wire Size/AWG | 26 - 22 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Free |
| Locking system | Ratchet |
| Jacket cable outside diameter [mm] | 8.35 - 16.70 mm |
| Size | TM |
| Suggested matching part | FMW.TM.340.XLC |
| Series | M - Rugged Ratchet coupling |

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/pmw-tm-340-xlm.html

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Technical details

Electrical Configuration

| | |
|---------------------------------------|-------------------------------|
| Number of contacts Low Voltage | 40 |
| Contact Termination Low voltage | Crimp |
| R (max) | 6.1 mOhm |
| Insert configuration value | TM.340 - 40 Low Voltage |
| Insulator | L: PEEK |
| Rated current | 3 A |
| Test voltage (kV rms) Contact-contact | 1.05 |
| Test voltage (kV rms) Contact-shell | 1.20 |
| Contact retention | 22 N |
| Max. Conductor | 0.34 mm ² (AWG 22) |
| Min. Conductor | 0.14 mm ² (AWG 26) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Wire Size/AWG | 26 - 22 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Shell style / Model id | PM - Free receptacle with knurled grip |
| Socket / Receptacle | Free |
| Housing material | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
| Locking system | Ratchet |
| Keying | W: 5 keys (alpha=95, beta=115, gamma=35, delta=25, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 18.26 g |

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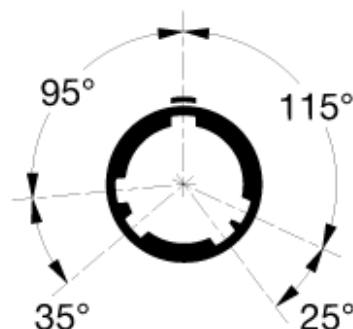
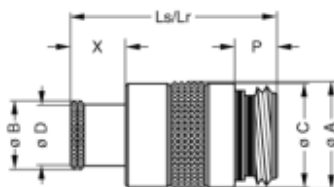
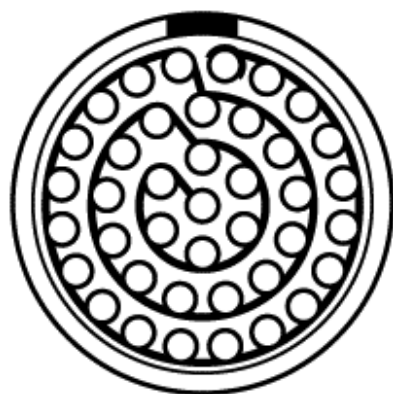
Environment

| | |
|-----------------------------------|-----------------------------------------------------------------------------------------|
| Technical domain | Motorsport, Security and Defence, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP68 |
| Endurance | 3000 mating cycles |
| Temperature range | -20°C / +200°C (max. temperature valid for short periods of use.) |
| EMI Shielding EIA 364-66A | ≥ 80 dB (1 GHz), ≥ 70 dB (3 GHz), ≥ 58 dB (6 GHz), ≥ 40 dB (10 GHz) |
| Gunfire vibration | 25 Hz - 2000 Hz, 3 axis (Apache helicopter) |
| Humidity (max) | 21 days at 95% |
| Lighting strike EIA 364-76 | 10K amps - 6 times |
| Shock Resistance | 300 g [3 ms] |
| Thermal shock | 5 cycles: -65°C to +150°C |
| Vibration-Random | 37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz] |
| Vibration-Sine | 30 g, 3 axes, 12 hr [10 Hz - 2000 Hz] |
| Salt Spray Corrosion | max. 48 hr |

Cable fixation

| | |
|------------------------------------|-----------------|
| Cable termination protection | Heatshrink |
| Fixation type | Heatshrink |
| Jacket cable outside diameter [mm] | 8.35 - 16.70 mm |

Drawings



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Dimensions

| | A | B | C | D | Ls | Lr | P | X |
|-----|------|------|------|------|------|------|------|-----|
| mm. | 22.5 | 17.9 | 22 | 16.7 | 28.2 | 30.1 | 7.9 | 7.6 |
| in. | 0.89 | 0.7 | 0.87 | 0.66 | 1.11 | 1.19 | 0.31 | 0.3 |

Recommended By Lemo

Accessories

| | |
|---------------------|--------------------------------|
| Replacement contact | EGW.TM.655.ZZM |
| Compatible cap | BMF.TM.200.XAZ |

Tools

| | |
|-----------------|---------------------------------|
| Positionner | DCE.91.07T.5MVM |
| Extraction tool | DCF.93.070.4LT |
| Crimp tool | DPC.91.701.V |