



Image for illustrative purpose only

Summary

[Request a quote](#)

[Catalog](#)

| | |
|--------|-----------------------------|
| Size | LM |
| Series | M - Rugged Ratchet coupling |

Technical details

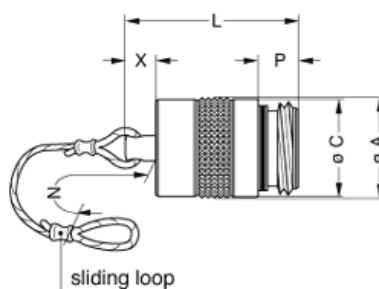
Form & Material

| | |
|------------------------|---|
| Shell style / Model id | BMF - Blanking cap for plugs (knurled grip) |
| Housing material | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
| Keying | 3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 18.17 g |

Environment

| | |
|-----------------------------------|---|
| Technical domain | Motorsport, Security and Defence, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP68 |
| Temperature range | -15°C / +135°C |
| 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 |

Drawings



https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/bmf-lm-100-xav.html

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.

Dimensions

| | A | C | L | N | P | X |
|-----|------|-----|------|------|------|------|
| mm. | 28.5 | 28 | 31.1 | 150 | 7.9 | 10 |
| in. | 1.12 | 1.1 | 1.22 | 5.91 | 0.31 | 0.39 |

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/bmf-lm-100-xav.html

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.