



Image for illustrative purpose only

Summary

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Size

TM

Series

M - Rugged Ratchet coupling

https://www.lemo.com/int_en/solutions/optima/m-ratchet-coupling/bge-tm-200-xaz.html

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Technical details

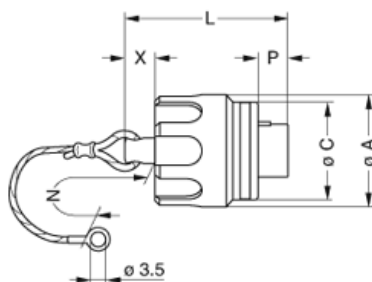
Form & Material

| | |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Shell style / Model id | BGE - Blanking cap for fixed receptacle (arctic 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 | 11.49 g |

Environment

| | |
|-----------------------------------|-----------------------------------------------------------------------------------------|
| Technical domain | Motorsport, Security and Defence, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP68 |
| Temperature range | -55°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



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Dimensions

| | A | C | L | N | P | X |
|-----|----------|----------|----------|----------|----------|----------|
| mm. | 23.4 | 22 | 31 | 120 | 3.4 | 10 |
| in. | 0.92 | 0.87 | 1.22 | 4.72 | 0.13 | 0.39 |

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