EVolution EMC.

The first EMC cable gland with a crimped and “pluggable” EMC shield contact solution.

For the fastest and most reliable installation on the vehicle.
EMC cable glands in action for electromobility.

The ongoing transformation of mobility, with alternative forms of propulsion increasingly used, presents vehicle manufacturers with new challenges. Electromagnetic compatibility (EMC) is not new to this sector, but the performance of modern electric drive trains, with various components incorporated in the high-voltage vehicle electrical system, greatly increases the demands on the required EMC cable glands.

Many manufacturers all around the world, from a wide variety of industries, rely on AGRO's expertise. The company's dependable industry solutions and innovative abilities have been earning their confidence for decades. For a number of years now, AGRO has also been applying this specialist knowledge to the field of electric mobility, and has developed a new product that is carefully tailored to meet its particular needs. The **EVolution EMC** cable gland not only satisfies the most demanding operational requirements; it can also be installed very quickly and reliably.

EMC-Technology simplified!

AGRO has set itself the challenge of developing an EMC cable gland that can withstand the effects of high switching frequencies from DC/DC converters and AC invorters. In this regard, the cable gland's operational reliability and durability are very important.

The result is **EVolution EMC**, a high-quality solution that impresses in relation to functionality, efficiency and reliability. This significantly shifts previous performance limits and the entire assembly process of cable glands into new dimensions. The pre-assembly and final installation are simplified and significantly more reliable.

The best of both worlds:
Connectors and cable glands.

Amazingly simple and robust: The "pluggable" (easily disconnectable) EMC shield contact solution makes the **EVolution EMC** extremely powerful. Due to the unique design of this shield contact solution, it is the first EMC cable gland that is designed to facilitate maintenance and repair (e.g. sealing ring replacement).

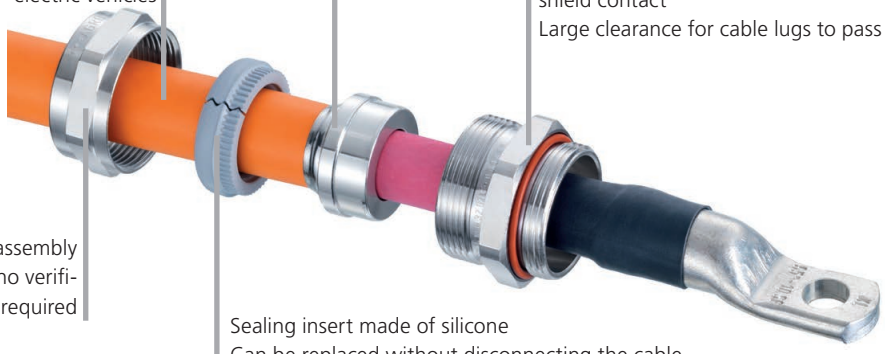
1. Push the cable lug through

2. Insert the contact sleeve

3. Slide over the sealing insert

4. Tighten the pressure nut

For simple and process reliable cable pre-assembly. **EVolution EMC.**

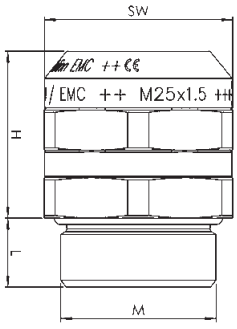


Advantages of EVolution EMC

- Very quick installation on vehicles or compliance with prescribed installation cycle times
- Easy orientation of the cable lug (rotatable EMC contact solution)
- For the first time designed to facilitate maintenance or repair
- Significant time and cost savings during maintenance or repair work
- Reliably meets the most demanding operational requirements
- Very high shield current carrying capacity
- High shielding attenuation
- Lead-free brass, < 0.1% lead content (meets futur RoHS directive)
- System solution tailored to cable size
- High reliability of cable processing thanks to the hand-held device used (shield connection, crimping, assembly)
- **AXI-PRESS** crimping tool as a battery-powered hand-held device with appropriate inserts
- System solution that supports traceability (assembly process + product)

AGRO AXI-PRESS Crimping Tool

	Entry thread size		
M	M20x1.5	M25x1.5	M32x1.5
L (mm) short | long	6 | 10	7 | 11	8 | 13
H (mm)	25.5	26.6	23.5
SW (mm)	24	30	36
Clearance dia, lower part (mm)	16.1	21.1	27.4
Cable cross section (mm²)	16 - 35	35 - 70	70 - 120



Related products.
for professional solutions in the electric vehicle sector.

Pressure balance elements and accessories

An extensive range of accessories such as locknuts, reducers and expansion fittings or screw-in sealing caps, as well as pressure balance elements and drainage elements of brass and plastic are completing our product range.

AGROflex

Braided sleeving in polyester and polyamide for bundling and sheathing electrical cables, as well as orange-coloured braided sleeving for high-voltage applications in vehicles.

Progress® EMC cable glands

of brass ensure a low-impedance connection between the shield braiding and the metal housing while at the same time ensuring safe and reliable cable entry.

E-mobility applications:

- Public transport
- Goods transport
- Mobile machinery
- Agricultural vehicles
- Special vehicles
- Yachts / ships