



# Receptacle module set 4Pol, with EMI adapter

for GM series

Item number: GMM1XE14S-2P-EAE-A09

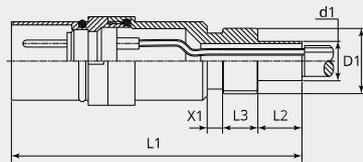
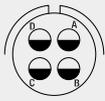
Packing unit: 1

## Mechanical properties

|                                 |                    |
|---------------------------------|--------------------|
| Contact type:                   | Pin                |
| Shell material:                 | Aluminum alloy     |
| Surface treatment:              | Electroless nickel |
| Thickness of surface treatment: | 12-15µ             |
| Surface colour:                 | blank              |
| Corrosion resistance (h):       | 48                 |
| Operation temperature:          | -55°C - +125°C     |
| Temperature shock:              | -55°C - +125°C     |
| Conductivity (MΩ):              | ≤ 0.5              |
| EMI:                            | Yes                |
| Material sealing ring:          | Silicone           |

## Thermal properties

|                                       |                       |
|---------------------------------------|-----------------------|
| Material contact insert:              | Ethylene acrylate GXF |
| Operating temperature:                | -55°C - +150°C        |
| Fire protection class DIN EN 45545-2: | R23/HL3               |



|                 |      |
|-----------------|------|
| <b>D1 (Ø):</b>  | 14.9 |
| <b>d1 (Ø):</b>  | 9.0  |
| <b>L1 (mm):</b> | 65.9 |
| <b>L2 (mm):</b> | 10.0 |
| <b>L3 (mm):</b> | 8.0  |
| <b>X1 (mm):</b> | 3.5  |

## Electrical properties

|   |              |
|---|--------------|
| <b>Operating voltage DC (V):</b>          | 250          |
| <b>Operating voltage AC (V):</b>          | 200          |
| <b>Test voltage AC (V):</b>               | 1000         |
| <b>Insulation resistance (Ω m):</b>       | ≥ 5000       |
| <b>Insulation creepage distance (mm):</b> | ≥ 1.6        |
| <b>Voltage class:</b>                     | MIL-DTL-5015 |

## Electrical properties contacts

|  |    |
|--|----|
| <b>Size 16S - nominal current (A):</b> | 13 |
| <b>Size 16S - maximal current (A):</b> | 22 |
| <b>Size 16S - test current (A):</b>    | 20 |

## Scope of delivery

|                               |                    |
|-------------------------------|--------------------|
| <b>Plugs:</b>                 | 1x GMM1-14S-2P-EAE |
| <b>Back shell:</b>            | 1x EC-14-09-AE-A01 |
| <b>Shielding sleeves:</b>     | 1x SUGSC500        |
| <b>Heatshrinkable shapes:</b> | 1x FTH11-06        |

Voltage classes tested acc. MIL-DTL-5015  
Power transmission verification acc. VG95234 / 2 test 5.10.1 and VG95210 / 37  
Corrosion resistance tested acc. MIL 1344A Test 101.1  
Temperature shock tested acc. MIL 202F, 107G Method  
Electrical conductivity acc. MIL 1344A, Test 3007

## Complementary products:

### Contacts:



#### **10-40553-05AU**

Pin contact size 16S, 0.25 - 0.5mm<sup>2</sup>



#### **10-40553AU**

Pin contact size 16S, 0.75 - 1.5mm<sup>2</sup>