

# Receptacle module set 5Pol, with EMI adapter

for GM series

Item number: GMM1XE14S-5P-EAE-A09

Product weight (kg): 0.0282 kg

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                    |
|-------------------------------------------|--------------------|
| Contact type:                             | Pin                |
| Number of contacts:                       | 5                  |
| Number of contacts, size 16s:             | 5                  |
| Shell material:                           | Aluminum alloy     |
| Surface:                                  | Electroless nickel |
| Thickness of surface treatment [ $\mu$ ]: | 12-15 $\mu$        |
| Surface colour:                           | Blank              |
| Corrosion resistance [h]:                 | 48                 |
| Operation temperature [ $^{\circ}$ C]:    | -55 - +125         |
| Temperature shock [ $^{\circ}$ C]:        | -55 - +125         |
| Conductivity (M $\Omega$ ):               | $\leq 0.5$         |
| EMI:                                      | Yes                |
| Material sealing ring:                    | Silicone           |

## THERMAL PROPERTIES

|                                    |                       |
|------------------------------------|-----------------------|
| Material contact insert:           | Ethylene acrylate GXF |
| Operating temperature insert [°C]: | -55 - +150            |

## ELECTRICAL PROPERTIES

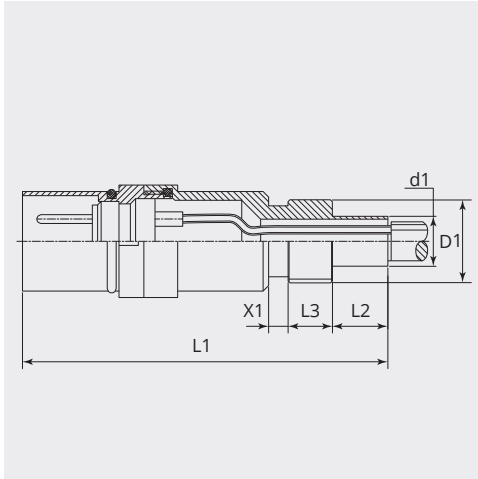
|                                    |              |
|------------------------------------|--------------|
| Operating voltage DC [V]:          | 250          |
| Operating voltage AC [V]:          | 200          |
| Test voltage AC [V]:               | 1000         |
| Insulation resistance (mΩ):        | ≥ 5000       |
| Insulation creepage distance [mm]: | ≥ 1.6        |
| Voltage class:                     | MIL-DTL-5015 |

## ELECTRICAL PROPERTIES CONTACTS

|                                              |    |
|----------------------------------------------|----|
| Size 16S - rated current (continuous) [A]:   | 13 |
| Size 16S - maximum current (short-term) [A]: | 22 |
| Size 16S - test current [A]:                 | 20 |

## STANDARDS

|                                   |         |
|-----------------------------------|---------|
| Fire protection class EN 45545-2: | R23/HL3 |
|-----------------------------------|---------|



|            |      |
|------------|------|
| D1 Ø [mm]: | 14.9 |
| d1 Ø [mm]: | 9.0  |
| L1 [mm]:   | 65.9 |
| L2 [mm]:   | 10.0 |
| L3 [mm]:   | 8.0  |
| X1 [mm]:   | 3.5  |

## SCOPE OF DELIVERY

- 1x GMM1-14S-5P-EAE
- 1x EC-14-09-AE-A01
- 1x SUGSC500
- 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

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

Item number: 10-40553-05AU

Product weight (kg): 0.0006 kg

Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                    |
|-----------------------------------|--------------------|
| Contact type:                     | Pin                |
| Maximum current (short-term) [A]: | 22                 |
| Test current [A]:                 | 20                 |
| Rated current (continuous) [A]:   | 13                 |
| Contact Material:                 | CU alloy           |
| Protective layer:                 | Gold plated, 0.5µm |
| Connection type:                  | Crimp              |
| Wire section [mm <sup>2</sup> ]:  | 0.25 - 0.5         |
| Wire section [AWG]:               | 22 - 20            |
| Stripping length [mm]:            | 7                  |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.15 |
| D3 Ø [mm]: | 1.6  |
| d1 Ø [mm]: | 1.1  |
| L1 [mm]:   | 27   |
| T1 [mm]:   | 6.4  |

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

Item number: 10-40553AU

Product weight (kg): 0.0006 kg

Packing unit:



## MECHANICAL PROPERTIES CONTACTS

|                                   |                    |
|-----------------------------------|--------------------|
| Contact type:                     | Pin                |
| Maximum current (short-term) [A]: | 22                 |
| Test current [A]:                 | 20                 |
| Rated current (continuous) [A]:   | 13                 |
| Contact Material:                 | CU alloy           |
| Protective layer:                 | Gold plated, 0.5µm |
| Connection type:                  | Crimp              |
| Wire section [mm <sup>2</sup> ]:  | 0.75 - 1.5         |
| Wire section [AWG]:               | 16                 |
| Stripping length [mm]:            | 7                  |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 3.1  |
| D2 Ø [mm]: | 2.62 |
| D3 Ø [mm]: | 1.6  |
| d1 Ø [mm]: | 1.75 |
| L1 [mm]:   | 27   |
| T1 [mm]:   | 6.4  |