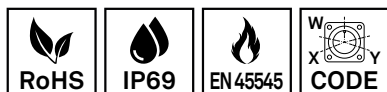


# Receptacle with threaded coupling, front panel mount

Series GT

Item number: GT210-24-22PN-EAC

Packing unit: 1



## MECHANICAL PROPERTIES

|                                           |                    |
|-------------------------------------------|--------------------|
| Size:                                     | 24                 |
| Contact type:                             | Pin                |
| Number of coding options:                 | 3                  |
| Number of contacts:                       | 4                  |
| Number of contacts, size 8H:              | 4                  |
| Shell material:                           | Aluminum alloy     |
| Surface:                                  | Epoxy-polyurethane |
| Type of surface:                          | Varnished          |
| Thickness of surface treatment [ $\mu$ ]: | 13-16 $\mu$        |
| Surface colour:                           | Black              |
| Corrosion resistance [h]:                 | 500                |
| Operation temperature [ $^{\circ}$ C]:    | -55 - +125         |

## MECHANICAL PROPERTIES

|                               |                |
|-------------------------------|----------------|
| Temperature shock [°C]:       | -55 - +125     |
| Conductivity (MΩ):            | Non conductive |
| EMI:                          | No             |
| Coupling-torque to lock [Nm]: | max. 6.5       |
| Coupling-torque to open [Nm]: | min. 2.0       |

## THERMAL PROPERTIES

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

## ELECTRICAL PROPERTIES

|                                    |              |
|------------------------------------|--------------|
| Operating voltage DC [V]:          | 1250         |
| Operating voltage AC [V]:          | 900          |
| Test voltage AC [V]:               | 2800         |
| Insulation resistance (mΩ):        | ≥ 5000       |
| Insulation creepage distance [mm]: | ≥ 4.8        |
| Voltage class:                     | MIL-DTL-5015 |

## ELECTRICAL PROPERTIES CONTACTS

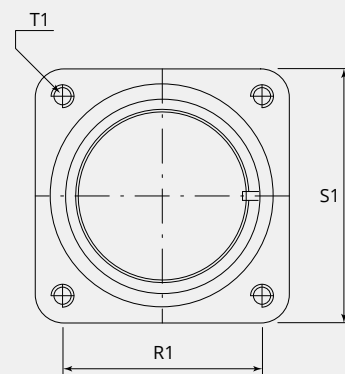
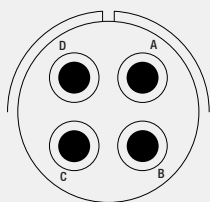
|                                             |    |
|---------------------------------------------|----|
| Size 8H - rated current (continuous) [A]:   | 56 |
| Size 8H - maximum current (short-term) [A]: | 90 |
| Size 8H - test current [A]:                 | 72 |

## STANDARDS

Fire protection class EN 45545-2:

R23/HL3

## DIMENSIONS



## DIMENSIONS

|            |                   |
|------------|-------------------|
| D1 Ø [mm]: | 41                |
| L1 [mm]:   | 38.8              |
| L2 [mm]:   | 23.1              |
| L3 [mm]:   | 4.0               |
| N1:        | 1 3/8"-18 UNEF 2A |
| N2:        | 1 1/2"-18 UNEF 2A |
| T1 [mm]:   | 3.7               |

## DIMENSIONS

|          |      |
|----------|------|
| X1 [mm]: | 9.0  |
| S1 [mm]: | 44.5 |
| R1 [mm]: | 35   |

- Please contact your Gimota partner for other shell materials, surface coatings or contact insert materials.
- 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 8H, 6mm<sup>2</sup>

Item number: 10-40794-38AG

Product weight (kg): 0.0061 kg

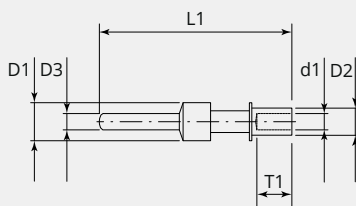
Packing unit:



## MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 90                   |
| Test current [A]:                 | 72                   |
| Rated current (continuous) [A]:   | 56                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 6                    |
| Wire section [AWG]:               | 10                   |
| Stripping length [mm]:            | 9                    |

## DIMENSIONS



## DIMENSIONS

|                   |      |
|-------------------|------|
| <b>D1 Ø [mm]:</b> | 7.8  |
| <b>D2 Ø [mm]:</b> | 5    |
| <b>D3 Ø [mm]:</b> | 3.6  |
| <b>d1 Ø [mm]:</b> | 3.55 |
| <b>L1 [mm]:</b>   | 41   |
| <b>T1 [mm]:</b>   | 8.5  |

## Pin contact size 8H, 10mm<sup>2</sup>

Item number: 10-40794-50AG

Product weight (kg): 0.0066 kg

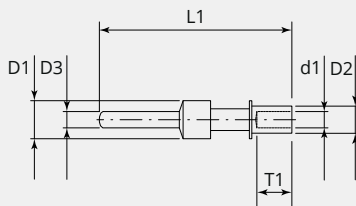
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 90                   |
| Test current [A]:                 | 72                   |
| Rated current (continuous) [A]:   | 56                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 10                   |
| Wire section [AWG]:               | 8 - 6                |
| Stripping length [mm]:            | 13                   |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 7.8  |
| D2 Ø [mm]: | 6.35 |
| D3 Ø [mm]: | 3.6  |
| d1 Ø [mm]: | 4.6  |
| L1 [mm]:   | 41   |
| T1 [mm]:   | 12.2 |

## Pin contact size 8H, 1.5mm<sup>2</sup>

Item number: 10-40794-18AG

Product weight (kg): 0.0062 kg

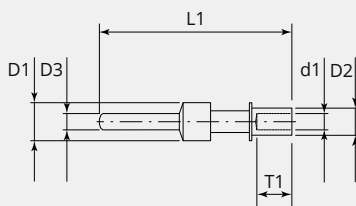
Packing unit:



### MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 90                   |
| Test current [A]:                 | 72                   |
| Rated current (continuous) [A]:   | 56                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 1.5                  |
| Wire section [AWG]:               | 16                   |
| Stripping length [mm]:            | 9                    |

## DIMENSIONS



## DIMENSIONS

|            |      |
|------------|------|
| D1 Ø [mm]: | 7.8  |
| D2 Ø [mm]: | 4    |
| D3 Ø [mm]: | 3.6  |
| d1 Ø [mm]: | 1.75 |
| L1 [mm]:   | 41   |
| T1 [mm]:   | 8.5  |

# Pin contact size 8H, 2.5mm<sup>2</sup>

Item number: 10-40794-22AG

Product weight (kg): 0.006 kg

Packing unit:



## MECHANICAL PROPERTIES CONTACTS

|                                   |                      |
|-----------------------------------|----------------------|
| Contact type:                     | Pin                  |
| Maximum current (short-term) [A]: | 90                   |
| Test current [A]:                 | 72                   |
| Rated current (continuous) [A]:   | 56                   |
| Contact Material:                 | CU alloy             |
| Protective layer:                 | Silver plated, 3.5µm |
| Connection type:                  | Crimp                |
| Wire section [mm <sup>2</sup> ]:  | 2.5                  |
| Wire section [AWG]:               | 12                   |
| Stripping length [mm]:            | 9                    |

## DIMENSIONS



## DIMENSIONS

|            |     |
|------------|-----|
| D1 Ø [mm]: | 7.8 |
| D2 Ø [mm]: | 4   |
| D3 Ø [mm]: | 3.6 |
| d1 Ø [mm]: | 2.3 |
| L1 [mm]:   | 41  |
| T1 [mm]:   | 8.5 |