

## Overview

## Product information

**FGAC-S-032A-P-0.0M-22060000030**

Charging device outlet for charging electric vehicles (EVs) with alternating current (AC), compatible with national standard AC powered charging device plugs for installation in electric vehicle charging stations (EVSE)

## Product advantages

- ☑ All Degson's vehicle sockets and charging pile power sockets adopt a unified design
- ☑ The surface of power and signal contacts are silver-plated
- ☑ Certified to IATF 16949:2016
- ☑ Ergonomic and easy to operate

## Product certification



## Technical data

## Product drawing

## 3D model

## Environmental conditions

|   |                           |
|---|---------------------------|
| Maximum altitude                          | 5000m(Above sea level )   |
| Ambient temperature (operation)           | -30 °C ~ 50 °C            |
| Ambient temperature (storage / transport) | -40 °C ~ 80 °C            |
| IP class                                  | IP54 ( protection cover ) |

## Electrical characteristics

|                      |     |
|----------------------|-----|
| Maximum charge power | 8KW |
| Phase                | 1   |
| Power pin quantity   | 3   |

|                                      |  |
|--------------------------------------|--|
| Rated current of high-power contacts | 32                                       |
| Power contact rated voltage          | 250                                      |
| Quantity of signal contacts          | 2  |
| Signal contact rated current         | 2  |
| Signal contact rated voltage         | 30                                       |
| Signal transmission type             | Pulse width adjustment                   |
| Connection method precautions        | Crimp connection, cannot be disconnected |
| Temperature measurement              | 2x Pt 1000 (DIN EN 60751)                |

#### Mechanical properties

|                         |        |
|-------------------------|--------|
| Insertion/pullout cycle | 10000  |
| Insertion force         | < 100N |
| Pull out force          | < 100N |

#### Installation

|                                     |   |
|-------------------------------------|---|
| Available installation location     | Installation in front of the board      |
| Limit of the installation location  | Only allow 0 to 90 degrees frontal tilt |
| Lock actuator installation location | Top center                              |
| Mounting hole diameter              | 7.00 mm (ø)                             |

#### Marking material

|                          |   |
|--------------------------|---|
| Shell color              | black                                       |
| Customization basis      | Provided according to customer requirements |
| Contact surface material | Ag  |
| Marking material         | Plastic                                     |

#### Locking device

|           |   |
|-----------|---|
| Lock type | Secured by locking device after insertion |
|-----------|---|

#### Lock actuator

|                                     |                           |
|-------------------------------------|---------------------------|
| Poles of pluggable connectors       | 4                         |
| Nominal operating voltage           | 12V                       |
| Motor possible supply voltage range | 9-15.5V                   |
| Lock detection maximum voltage      | 12V                       |
| Response time                       | ≥0.02S                    |
| Work cycle                          | On: off=0.02S: 10S        |
| Working temperature                 | _40 °C ... 80 °C          |
| Withstand voltage                   | DC1000V                   |
| Power                               | 32W±10%                   |
| Service life                        | >10000 times without load |
| Ambient temperature (operation)     | _30 °C ... 50 °C          |
| Cable length                        | 0.3m                      |
| Cable composition                   | 4 x 0.5 mm <sup>2</sup>   |

#### Cable

|                   |   |
|-------------------|---|
| Cable composition | 2 x6 mm <sup>2</sup> + 1 x 10 mm <sup>2</sup> + 2× 0.75 mm <sup>2</sup> |
|-------------------|---|

#### Bag

|           |            |
|-----------|------------|
| color     | Blue       |
| Dimension | ø350*100mm |

#### Temperature Sensor

|  |  |
|--|--|
| Standard                               | DIN EN 60751                               |
| Recommended measured current           | 1 mA (1 V at 0°C )                         |
| Temperature range                      | _50 °C ... 150 °C                          |
| Temperature coefficient (TCR)          | 3850 ppm/K                                 |
| Long-term stability (maximum R0-Drift) | 0.06 % (After 1000 hours at 130°C )        |
| Shutdown temperature                   | 90 °C Equivalent to Pt 1000 value 1346.5 Ω |

Environmental Product Compliance

|            |         |
|------------|---------|
| REACH      | conform |
| China RoHS | conform |

Dimension

|               |                                 |
|---------------|---------------------------------|
| Depth         | 63.2mm                          |
| Hole diameter | 60mm x 60 mm                    |
| Wire length   | 0m                              |
|               | 0.3 m (Lock the actuator cable) |
| width         | 76mm                            |
| Height        | 115.8mm                         |

Accessories

Business data

|                                     |              |
|-------------------------------------|--------------|
| Order number                        | 220600000030 |
| Packing unit                        | 5pcs/box     |
| Minimum order quantity              | 5            |
| Products weight (without packaging) | 13.65        |