

## Overview

## Product information

**FGDC-T-250A-V-0.0M-220600000056**

Charging device socket outlet for charging electric vehicles (EVs) with direct current (DC), compatible with the national standard DC vehicle charging device plug for installation in EVs

## 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



## Dimension

Depth	84.2mm
Hole diameter	72 mm x 72 mm
Wire length	0m

## Environmental conditions

Ambient temperature (operation)	-30 °C ~ 50 °C
Ambient temperature (storage / transport)	-40 °C ~ 80 °C
Maximum altitude	5000m(Above sea level )
IP class	IP55(coupling)

Electrical characteristics

Maximum charge power	250KW
	187KW
Phase	3
Power pin quantity	9 (DC+,DC-,PE,A+,A-,S+,S-,CCS1,CCS2)
Rated current of high-power contacts	250
Power contact rated voltage	750
	1000
Quantity of signal contacts	4(S+,S-,CCS1,CCS2)
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)
	PT1000

Mechanical properties

Insertion/pullout cycle	10000
Insertion force	<140N
Pull out force	< 140N

Installation

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

Marking material

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

#### Locking device

Lock type	Secured by locking device after insertion
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#### Temperature Sensor

Standard	DIN EN 60751
Recommended measured current	1 mA (1 V at 0°C )
Recommendation to measure tolerance on current sensors	±1K
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

#### Cable

Cable composition	2 x 80 mm² + 1 x 25 mm² + 2 × 4 mm² + 3× 0.75 mm²
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#### Accessories

#### Business data

Order number	22060000056
Packing unit	5pcs/box
Minimum order quantity	5

Products weight (without packaging)	
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