Overview

Product information



FGDC-T-125A-V-03-0.0M-50A(H)-22060000063

Charging device socket outlet, used for charging electric vehicles (EV) with direct current (DC), compatible with national standard DC vehicle charging device plugs, for installation on electric vehicles.

Product advantages

☑ All vehicle sockets and charging sockets of Degson are designed with a unified design.
☑ The power and signal contacts are both with silver-plated surfaces.
☑ Certified to IATF 16949:2016
☑ Conforms to ergonomics, easy to operate.

Product certification

Technical data

Product drawing

3D model

Dimension

Height	95mm
Depth	84.2mm
Hole diameter	72 mm x 72 mm
Wire length	0m

Environmental conditions

Ambient temperature (operation)	-30 °C ~ 50 °C
Maximum altitude	5000m(Above sea level)

IP class	IP55(coupling)

Environment condition

Ambient temperature (storage/transportation)	-40°C ~ +80°C

Electrical characteristics

Maximum charge power	125KW
Phase	3
Power pin quantity	9 (DC+,DC-,PE,A+,A-,S+,S-,CCS1,CCS2)
Rated current of high-power contacts	125A
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 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
Customization basis	Provided according to customer requirements
Contact surface material	Ag
Marking material	Plastic

Locking device

Lock type	Secured by locking device after insertion

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

General parameters

Insertion and pullout cycle	≥ 100

Cable

Cable composition	2 x35 mm² + 1 x 25 mm² + 2 × 4 mm² + 3× 0.75 mm²

Accessories

Business data

Order number	22060000063
Packing unit	
Minimum order quantity	
Products weight (without packaging)	