

## Overview

### Product information



### MGDC-T-250A-V-5.0M-22010000060

DC charging cable with vehicle charging plug and free outlet for fast charging of electric vehicles (EV) with direct current (DC) via the GB/T vehicle socket for installation in EV charging stations

### Product advantages

- ☑ All Degson's vehicle AC plugs and power supply AC plugs adopt a unified design
- ☑ The surface of power and signal contacts are silver-plated
- ☑ Certified to IATF 16949:2016 system
- ☑ Ergonomic handle with additional rubber grip assembly for easy handling
- ☑ Temperature sensor included for monitoring the temperature of the power contacts

### 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          |

### Electrical characteristics

|                      |       |
|----------------------|-------|
| Maximum charge power | 250KW |
| Phase                | 3     |
| Power pin quantity   | 3     |

|                                      |                        |
|--------------------------------------|------------------------|
| Rated current of high-power contacts | 250                    |
| Power contact rated voltage          | 1000                   |
| Quantity of signal contacts          | 6                      |
| Signal contact rated current         | 2                      |
|                                      | 4                      |
| Signal contact rated voltage         | 30                     |
| Resistance coding                    | 1000Ω                  |
| Signal transmission type             | Pulse width adjustment |

Mechanical properties

|                 |        |
|-----------------|--------|
| Insertion force | <140N  |
| Pull out force  | < 140N |

Marking material

|                           |                                             |
|---------------------------|---------------------------------------------|
| Shell color               | black                                       |
| EV charger color          | black                                       |
| Actuation component color | Silver                                      |
| Cover color               | black                                       |
| Customization basis       | Provided according to customer requirements |
| Shell material            | Plastic                                     |
| Handle material area      | Plastic                                     |
| Actuating handle material | Metal                                       |
| Protective cover material | Plastic                                     |
| Connection material       | Plastic                                     |
| Flammability rating       | V0                                          |
| Contact surface material  | Ag                                          |

Environmental Product Compliance

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

Cable

|                        |                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------|
| Cable composition      | 2 x 80 mm <sup>2</sup> + 1 x 25 mm <sup>2</sup> + 2 x 4 mm <sup>2</sup> + 3x 0.75 mm <sup>2</sup> |
| Wiring standard        | GB/T 33594-2017                                                                                   |
| Wiring level           | 5 class                                                                                           |
| Certification          | CQC                                                                                               |
| Cable outer diameter   | 37.9mm ±1mm                                                                                       |
| Wire type              | Straight line                                                                                     |
| Outer sheath,color     | black                                                                                             |
| Outer sheath, material | PUR                                                                                               |

Dimension

|                         |                                     |
|-------------------------|-------------------------------------|
| Vehicle connector width | 290.7mm(Vehicle charging connector) |
| Vehicle connector depth | 249.2mm(Vehicle charging connector) |
| Cable length            | 5000±100mm                          |

Accessories

Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 22010000060 |
| Packing unit                        | 1pcs/box    |
| Minimum order quantity              | 1           |
| Products weight (without packaging) | 13.65       |