



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



DC charging cable - EV-GBM4C-DC60A-5,0M16ESBK00 - 1621468

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



DC Vehicle Connector with open cable end, GB/T, GB/T 20234.3, 60 A / 750 V (DC), Cable data: 5 m, black, straight, Protective cap available

Product Description

DC charging cable, with Vehicle Connector and open cable end for fast charging electric vehicles with direct current (DC) via a GB/T DC Vehicle-Inlet, for installation at charging stations (EVSE)



Key Commercial Data

Packing unit	1 pc
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Conductor length	5 m
------------------	-----

General

Product type	DC Vehicle Connector with open cable end
Standards/regulations	GB/T 20234.3
Charging standard	GB/T
Charging mode	Mode 4

Technical properties

Charging power	45 kVA
Rated current for power contacts	60 A
Rated voltage for power contacts	750 V DC
Type of signal transmission	Pulse width modulation
Temperature monitoring	Pt 1000
Number of power contacts	3 (PE, DC+, DC-)

DC charging cable - EV-GBM4C-DC60A-5,0M16ESBK00 - 1621468

Technical data

Technical properties

Number of signal contacts	6
Connection method	Crimp connection, cannot be separated
Resistor coding	1000 Ω
Insertion force	< 100 N
Withdrawal force	< 100 N
Insertion/withdrawal cycles	> 10000
Ambient temperature (operation)	-30 °C ... 50 °C (Operation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C (Storage)
Altitude difference for area of application	5000 m (above sea level)
Degree of protection	IP55 (plugged in)
	IP54 (Protective cap)
Protective cap	available
Label	14.1 mm x 44.8 mm (customer logo possible)

Cable

Cable structure	3 x 16 mm ² + 2 x 2.5 mm ² + 9 x 0.5 mm ²
External cable diameter	20.2 mm ±0.2 mm
Type of conductor	straight
Outer sheath, material	TPE
External sheath, color	black
Minimum bending radius	202 mm ()

Temperature monitoring

Type of sensor	Pt 1000
Standards/regulations	DIN EN 60751
Recommended measured current	1 mA (1 V at 0°C)
Tolerance at the sensor with the recommended measured current	#1K
Temperature range	-50 °C ... 130 °C
Temperature coefficient (TCR)	3850 ppm/K
Long-term stability (max. R0-Drift)	0.06 % (After 1000 hours at 130°C)

Classifications

eCl@ss

eCl@ss 5.1	27059110
eCl@ss 6.0	27059290
eCl@ss 8.0	27440590

DC charging cable - EV-GBM4C-DC60A-5,0M16ESBK00 - 1621468

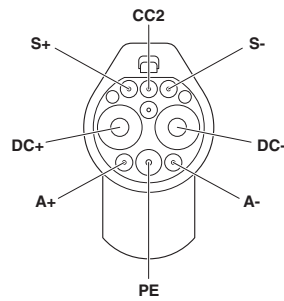
Classifications

ETIM

ETIM 4.0	EC002839
ETIM 5.0	EC002839

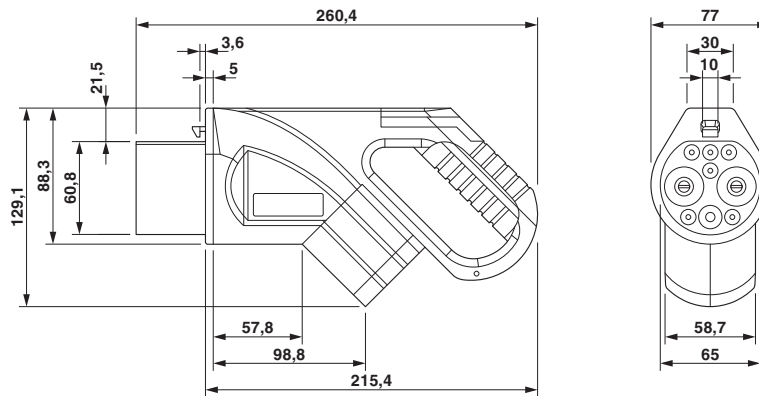
Drawings

Schematic diagram



Pin assignment of the Vehicle Connector

Dimensional drawing



Dimensional drawing of Vehicle Connector

DC charging cable - EV-GBM4C-DC60A-5,0M16ESBK00 - 1621468

Schematic diagram

