WCCM
Wireless Charging Control Module

SPECIFICATIONS

The WCCM includes regulatory certifications and approvals including FCC and ISED (formerly known as IC). Contact CPAC Systems for latest approvals.

SPECIFICATIONS

Physical

Dimensions (W × D × H)	**187 × 121 × 43 mm**
Weight	**255 g**
Material	**Plastic**
Color	**Black**

Environmental

Operating temperature	**-40°C ≤ T ≤ 70°C**
Storage temperature	**-40°C ≤ T ≤ 85°C**
Enclosure protection	**IP32 - ISO 20653**
EMC	**UN / ECE R10.06 EMC**
Fire retardant	**ISO 3795**
RoHS	**EU 2011/65/EU, 2015/863**

Connections

Connector A	**JAE IL-AG5-22P-D3L2**
Connector B	**JAE IL-AG5-30P-D3L2**
Connector C	**SMB Fakra Black Code A**
Connector D	**YESC Kaizen 2P**

Functional

Supply voltage	**28.3 Nom (8 - 32)**
Average current consumption	**<100mA @24V**
Max power consumption	**3W**

I/O (Input / Output)

CAN	**J1939**

Platform

Software platform	**Autosar based**
WiFi *	**IEEE 802.11(a / b / g / n)**
Charging protocol	**ISO/ IEC 15118 Road vehicles - vehicle to grid communication IEC 61851-1** Electrical vehicle conductive charging system**

* Certified as a system together with the antenna and cable
** Modified for opportunity charging

REGULATIONS AND STANDARDS

Road vehicles

ISO 16750-1 Road vehicles – Environmental conditions and testing for electrical and electronic equipment
ISO 16750-2:2010 Electrical loads
ISO 16750-3:2007 Mechanical loads, shock
ISO 16750-4:2010 Climatic loads
ISO 16750-5:2010 Chemical loads

Code letters:
ISO 16750 - E - A - G - F– Z_b– IP32

ISO 26262 Road Vehicles - Functional safety

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