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## Interconnect Solutions for e-mobility IEC, SAE and GB/T



## We Connect The future of e-mobility

Drawing upon 100 years of interconnect excellence and nearly a decade of innovation in the Electric Vehicle industry, ITT represents a committed partner to today's e-mobility industry, bringing connection solutions to the market that are truly Engineered for Life.

## Global solutions for the EV industry

## The ITT difference

- Proven application expertise
- Global capabilities & local support
- Unrivalled customization expertise
- A committed innovator & business partner

## About ITT

ITT is a diversified leading manufacturer of highly engineered critical components and customized technology solutions for the energy, transportation and industrial markets. Building on its heritage of innovation, ITT partners with its customers to deliver enduring solutions to the key industries that underpin our modern way of life. Founded in 1920, ITT is headquartered in White Plains, N.Y., with employees in more than 35 countries and sales in a total of approximately 125 countries. For more information visit www.itt.com

## IEC, SAE and GB/T e-mobility Interconnect Solutions

ITT's class leading UL and CE certified connectors, plugs, inlets, outlets and accessories offer recognized, trusted and proven charging solutions for today's e-mobility markets. Built in accordance with all key regional standards - IEC 62196 for Europe, SAE J1772 for the Americas and Japan and GB/T 20234 for China they provide a truly global portfolio.

ITT offers a fully comprehensive range of AC charging options— with an industry leading amperage range from 10A to 80A, single and triple phase variants, low contact resistance and a minimum of 10k mating cycles. In addition to off the shelf solutions our EV offering is fully customizable to meet specific requirements and we are able to offer variants on colors, harnesses and terminals.

By using common coupler connector/plug elements such as an ergonomically designed handle, robust contact system, innovative wire positioners and strain relief system ITT is able to serve global industry players with a consistent, recognizable look and feel to support their own product, user and brand experience.



## Key features

- Cable options certified and approved to regional requirements
- Sealing to meet and exceed specifications
- Up to 80A AC Charging option
- Low contact resistance
- Minimum 10k mating cycles
- Connector and plug strain relief provides protection from cable overstressing

## **Applications**

- Home EV Charging Units
- Public Charging Stations
- Roadside Assistance Trucks
- Fleet Trucks
- EV Mass Transit Vehicles
- Electric Watercraft
- Passenger Vehicles
- Electric Motorcycles
- Electric Agriculture Vehicles

## An e-mobility leader

- A truly global product portfolio
- Extensive customization options
- A track record of EV innovation
- A pioneer in DC fast charging technology

## The Gen 2+ Contact System

ITT's new Gen2+ contact system utilizes a state of the art canted coiled spring design that delivers extended lifetime usage and minimizes mechanical stress, miss alignment and power loss.





## IEC electric vehicle charging solutions

ITT's IEC e-mobility solutions are built in accordance with IEC 62196-1 and 62196-2 standards for single and three phase charging systems.

## IEC performance data

Temperature Range	-30°C to +50°C
Durability	10,000 mating cycles min
Sealing Requirements	IP 44 min per IEC 61851-1 and tested in accordance with IEC 60525
<b>Certifications Connector</b>	CE, ETL, IEC 62196-1 and IEC 62196-2
Certifications Cable	DIN EN 50620

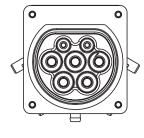
## **Key Features**

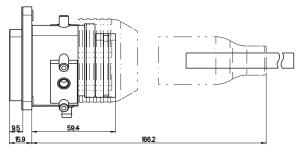
- Drain holes at the bottom of the coupler connector/plug eliminates latch freezing and includes protective shield from small diameter metal penetration to the wiring.
- Textured coupler connector/plug handle provides enhanced grip while in use.
- Optional mating face protection lanyard dust caps options for coupler connector/plug and spring cap options for inlets provide additional protection when connectors are not in use.



## ECIER Outlet







How to order	ECIER	20	2	1	-017	S	2	Α	1	А	0	А	0	-001
Connector Series & Style														
Current Rating (Cable size)														
Cable Rating														
Powering System (Connector Voltage Ratin	g)													
Cable Length (3 Digits)														
Sealing Method														
Compression Limiter / Metal Inserts in Flan	ge Holes													
Dust Cap / Spring Cap														
Drain Spout														
Locking Device														
Rubber Boot														
Mounting Hole Pattern														
Flange Gasket														
Modification Code - If Applicable (3 digits)														

## Explanation \_

## Connector Series & style

ECIER - EVC IEC 62196 Type 2 Connector EVSE Rear mount inlet

## **Current Rating (Cable size)**

20A, 32A, 63A **Cable Rating** 

## 2 - Level 2

## Powering System (Connector Voltage Rating) 1 - Single phase (240VAC)

3 - Three phase (480VAC)

## Cable Length (3 Digits)

XXX - Length in 0.1m\*XXX (017 = 1.7m)

## Sealing Method

## S - Sealed

## Compression Limiter / Metal Inserts in Flange Holes

- 0 Without compression limiter/inserts
- **1** Compression limiter (front mounting)
- 2 Compression limiter with threaded inserts M4 (front mounting)

## Dust Cap / Spring Cap

- A No dust cap supplied **C** -
- Dust cap stainless steel lanyard (155mm) D - Dust cap stainless steel lanyard (125mm)
- Dust cap PA lanyard (155mm) Ε-
- With mounting ring thin (to be used with mounting Кhole pattern "B" only) (metal inserts M4)
- With mounting ring (to be used with mounting hole pattern "B" only) (metal inserts M4)
- M Dust cap PA lanyard, ring terminal (125mm)
- N Dust cap PA lanyard (125mm)

## **Drain Spout**

- 0 Without drain spout
- Without drain spout
   1 With drain spout, without tube
   2 With drain spout with tube; 1m long
- 3 With drain spout with tube, 2m long

## Locking Device

- A No locking device
- B Motorized switch assembly
- (No male connector supplied for locking).
- С-Motorized switch assembly including connector & 300mm cable

- D Motorized switch assembly including connector & 300mm cable & socket contacts on single wires
- Ε-Solenoid 12VDC assembly (cable length 250mm)
- F Solenoid 24VDC assembly (cable length 250mm)
- G Solenoid 12VDC assembly (same as cable length)
- H Solenoid 24VDC assembly (same as cable length)

## Rubber Boot

- 0 No rubber boot supplied
- 1 With rubber boot

## **Mounting Hole Pattern**

- **B** 58x61mm
- **C** 52x52mm
- Flange Gasket
- 0 No flange gasket supplied.
- 1 With flange gasket

## Modification Code - If Applicable (3 digits)

001 to 999 - For customer specific modification



# ECCE Plug

How to order	ECCE	20	2 1	-017	S	0	A	ECCV	0	А	-001
Connector Series & Style											
Current Rating (Cable size)											
Cable Rating											
Powering System (Connector Voltag	ge Rating)										
Cable Length (3 Digits)											
Sealing Method											
Direction of Cable Strain Relief											
Dust Cap											
Modification Code (4 Letters)											
Direction of Cable Outlet											
Dust Cap											
Modification Code - If Applicable (3	diaits)										

## Explanation \_

## Connector Series & style

**ECCE** - EVC IEC 62196 Type 2 mode 3 connection cable EVSE coupler to vehicle coupler

## Current Rating (Cable size)

20A, 32A, 63A

Cable Rating 2 - Level 2

Powering System (Connector Voltage Rating) 1 - Single phase (240VAC)

**3** - Three phase (480VAC)

## Cable Length (3 Digits)

**XXX** - Length in 0.1m\*XXX (017 = 1.7m)

## Sealing Method

S - Sealed

## Direction of strain relief ECCE

0 - Straight cable strain relief

1 - Angled cable strain relief (90° Downwards) (not for 63A)

## Dust Cap

- A No dust cap supplied
- **B** Dust cap rubber lanyard (187mm)
- C Dust cap stainless steel lanyard (155mm)
- **D** Dust cap stainless steel lanyard (125mm)
- E Dust cap PA lanyard (155mm)

## F - Dust cap PA lanyard (125mm)

Modification Code (4 Letters) ECCV - Connection cable IEC type 2

connector on 2-end

GBCV - Connection cable GBCV connector on 2-end EJCV - Connection cable IEC type 1 connector on 2-end (same connector as J2CE) only 1 phase existing

## 🏷 ітт

## C - Dust cap stainless steel lanyard (155mm) D - Dust cap stainless steel lanyard (125mm)

E - Dust cap PA lanyard (155mm)

A - No dust cap supplied

0 - Straight cable strain relief

Dust Cap

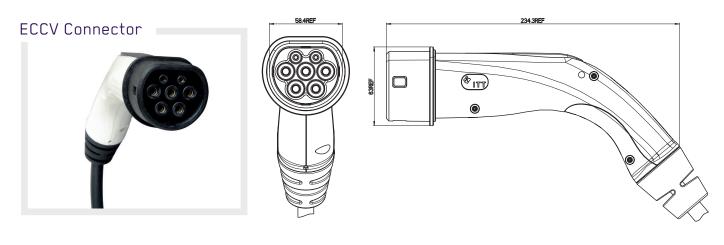
F - Dust cap PA lanyard (125mm)

Modification Code - If Applicable (3 digits) 001 to 999 - For customer specific modification

Direction of strain relief of second connector

1 - Angled cable strain relief (90° Downwards) (not for 63A)

B - Dust cap rubber lanyard (only for GBCV at second end)



## How to order ECCV -001 20 -017 0 Connector Series & Style Current Rating (Cable size) Cable Rating Powering System (Connector Voltage Rating) Cable Length (3 Digits) Sealing Method Direction of Cable Strain Relief Dust Cap Modification Code - If Applicable (3 digits)

## Explanation

Connector Series & style ECCV - EVC IEC 62196 Type 2 Connector vehicle coupler

Current Rating (Cable size)

20A, 32A, 63A

**Cable Rating** 2 - Level 2

## Powering System (Connector Voltage Rating)

1 - Single phase (240VAC) 3 - Three phase (480VAC)

## Cable Length (3 Digits)

XXX - Length in 0.1m\*XXX (017 = 1.7m) Sealing Method

## S - Sealed

- Direction of Cable Strain Relief 0 - Straight cable strain relief
- 1 Angled cable strain relief (90° Downwards)

## Dust Cap

A - No dust cap supplied

- C Dust cap stainless steel lanyard (155mm).
- **D** Dust cap stainless steel lanyard (125mm)
- E Dust cap PA lanyard (155mm)
- F Dust cap PA lanyard (125mm)

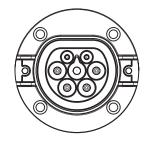
Modification Code - If Applicable (3 digits) 001 to 999 - For customer specific modification

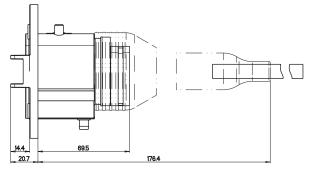




## ECIV Inlet







How to order	ECIV	20	2	1	-017	S	1	А	1	А	0	А	0	-001
Connector Series & Style														
Current Rating (Cable size)														
Cable Rating														
Powering System (Connector Voltage Rating	)													
Cable Length (3 Digits)														
Sealing Method														
Compression Limiter / Metal Inserts in Flang	e Holes													
Dust Cap / Spring Cap														
Drain Spout														
Locking Device														
Rubber Boot														
Mounting Hole Pattern														
Flange Gasket														
Modification Code - If Applicable (3 digits)														

## Explanation

Connector Series & style ECIV - EVC IEC 62196 Type 2 Connector vehicle inlet

## Current Rating (Cable size)

## 2 - Level 2

Powering System (Connector Voltage Rating) 1 - Single phase (240VAC)

3 - Three phase (480VAC)

Cable Length (3 Digits)

**XXX** - Length in 0.1m\*XXX (017 = 1.7m)

**Sealing Method** 

S - Sealed

- Compression Limiter / Metal Inserts in Flange Holes 0 - Without compression limiter/inserts
- 1 -Compression limiter (front mounting)
- Compression limiter with threaded inserts M4 2 -
- (front mounting)
- 3 Compression limiter with threaded inserts M5 (front mounting)

## Dust Cap / Spring Cap

- A No dust cap supplied C - Dust cap stainless steel lanyard (155mm)
- **D** Dust cap stainless steel lanyard (125mm)
- E Dust cap PA lanyard (155mm)
- G With spring cap (Opening to left)
- H With spring cap (Opening to the right)
- M Dust Cap PA Lanyard, ring terminal (125mm)
- N Dust cap PA lanyard (125mm)

## **Drain Spout**

- 0 Without drain spout.
- With drain spout, without tube 1 -
- 2 -With drain spout with tube; 1m long
- 3 With drain spout with tube, 2m long

## Locking Device

- A No locking device
- **B** Motorized switch assembly
- (No male connector supplied for locking device) C - Motorized switch assembly including connector
- and 300mm cable
- D Motorized switch assembly including connector and 300mm cable & socket contacts on single wires

## **Rubber Boot**

- 0 No rubber boot supplied
- 1 With rubber boot

## **Mounting Hole Pattern**

A - Standard pattern

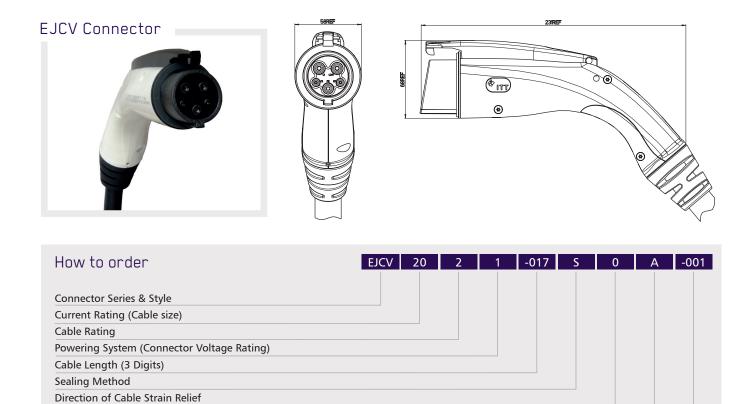
## Flange Gasket

0 - No flange gasket supplied

Modification Code - If Applicable (3 digits) 001 to 999 - For customer specific modification



20A, 32A, 63A **Cable Rating** 



## Explanation \_

Dust Cap

Connector Series & style EJCV - EVC IEC 62196 Type 1 Connector vehicle coupler Current Rating (Cable size)

Modification Code - If Applicable (3 digits)

20A, 32A Cable Rating

2 - Level 2

Powering System (Connector Voltage Rating) 1 - Single phase (240VAC) Cable Length (3 Digits)

XXX - Length in 0.1m\*XXX (017 = 1.7m) Sealing Method S - Sealed

**Direction of Cable Strain Relief 0** - Straight cable strain relief

## Dust Cap

 ${\boldsymbol{\mathsf{A}}}$  - No dust cap supplied

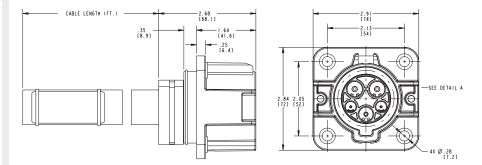
- ${\bf C}$  Dust cap stainless steel lanyard (155mm)
- D Dust cap stainless steel lanyard (125mm)
- E Dust cap PA lanyard (155mm)
- F Dust cap PA lanyard (125mm)

Modification Code - If Applicable (3 digits) 001 to 999 - For customer specific modification



## EJIV Inlet





How to order	EJIV	20	2	1	-017	S	0	Α	0	А	0	А	0	-00
Connector Series & Style														
Current Rating (Cable size)														
Cable Rating														
Powering System (Connector Voltage Rating)														
Cable Length (3 Digits)														
Sealing Method														
Compression Limiter / Metal Inserts in Flange	Holes													
Dust Cap / Spring Cap														
Drain Spout														
Locking Device														
Rubber Boot														
Mounting Hole Pattern														
Flange Gasket														
Modification Code - If Applicable (3 digits)														

## Explanation \_

Connector Series & style EJIV - EVC IEC 62196 Type 1 Connector vehicle inlet Current Rating (Cable size) 20A, 32A

**Cable Rating** 

2 - Level 2

Powering System (Connector Voltage Rating) 1 - Single phase (240VAC)

Cable Length (3 Digits) XXX - Length in 0.1m\*XXX (017 = 1.7m)

Sealing Method

S - Sealed

## Compression Limiter / Metal Inserts in Flange Holes

- **0** Without compression limiter/inserts
- 1 Compression limiter (front mounting)
- 3 Compression limiter with threaded inserts M5 (front mounting)

## Dust Cap / Spring Cap

- A No dust cap supplied **G** With spring cap (Opening to left)
- H With spring cap (Opening to right)
- Drain Spout

0 - Without drain spout

## Locking Device

## A - No locking device

Rubber Boot

0 - No rubber boot supplied

## 1 - With rubber boot

**Mounting Hole Pattern** A - Standard pattern

Flange Gasket

0 - No flange gasket supplied



## SAE J1772 electric vehicle charging solutions

ITT's SAE J1772 e-mobility solutions are built in accordance with SAE J1772 standard for AC Level 1 and Level 2 charging systems.

## J1772 performance data

Temperature Range	-30°C to +50°C
Durability	10,000 mating cycles min
Sealing Requirements	Meets UL50, Type 3R/3S
Certifications Connector	UL File E330790, CE, PSE-JET
Certifications Cable	UL62 or JET

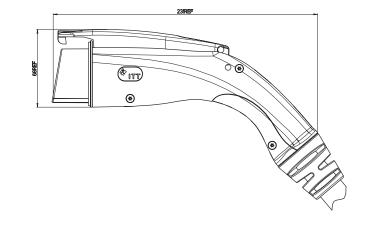
## J2CE Connector





## Key Features

- Drain holes at the bottom of the coupler connector/plug eliminates latch freezing and includes protective shield from small diameter metal penetration to the wiring.
- Textured coupler connector/plug handle provides enhanced grip while in use.
- Optional mating face protection lanyard dust caps options for coupler connector/plug and spring cap options for inlets provide additional protection when connectors are not in use.



How to order	J2CE 16	1	1	-17	S	0	A	-001
Connector Series & Style								
Current Rating (Cable size)								
Cable Rating								
Powering System (Connector Voltage Rating)								
Cable Length (2 Digits)								
Sealing Method								
Direction of Cable Strain Relief								
Dust Cap								
Modification Code - If Applicable (3 digits)								

## Explanation

Connector Series & style

J2CE - EVC SAE-J1772 Connector vehicle coupler

## Current Rating (Cable size) 16 - 16A (level 1 only)

- **20** 20A **30** - 30A (level 2 only)
- **40** 40A (level 2 only)
- 75 75A (level 2 only)
- 80 80A (level 2 only)

## Cable Rating 1 - Level 1

2 - Level 2

Dimensions shown in mm Specifications and dimensions subject to change

## Powering System (Connector Voltage Rating)

1 - Single phase (120VAC for level 1, 240VAC for level 2) Cable Length (2 digits)

XX - Length in ft. (17 = 17ft.) Sealing Method

S - Sealed

- Direction of Cable Strain Relief
- 0 Straight cable strain relief

## Dust Cap

- A No dust cap supplied
- C Dust cap stainless steel lanyard (6.1in)
- D Dust cap stainless steel lanyard (4.9in)E Dust cap PA lanyard (6.1in)
- **F** Dust cap PA lanyard (0.111)

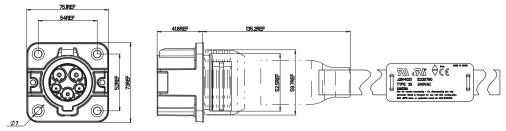
## Modification Code - If Applicable (3 digits) 001 to 999 - For customer specific modification



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## J2IV Inlet





How to order	J2IV 20	2	1	-17	S	1	А	0	А	0	А	0	-001
Connector Series & Style													
Current Rating (Cable size)													
Cable Rating													
Powering System (Connector Voltage Rating	)												
Cable Length (2 Digits)													
Sealing Method													
Compression Limiter / Metal Inserts in Flange	e Holes												
Dust Cap / Spring Cap													
Drain Spout													
Locking Device													
Rubber Boot													
Mounting Hole Pattern													
Flange Gasket													
Modification Code - If Applicable (3 digits)													

## Explanation

Connector Series & style J2IV - EVC SAE-J1772 Connector vehicle inlet Current Rating (Cable size)

## **20** - 20A

- **40** 40A (level 2 only) **75** 75A (level 2 only) 80 - 80A (level 2 only)
- Cable Rating
- 1 Level 1 **2** - Level 2

## Powering System (Connector Voltage Rating) 1 - Single phase (120V AC for level 1, 240VAC for levels 2)

Cable Length (2 Digits) **XX** - Length in ft. (17 = 17 ft)

Sealing Method S - Sealed

## Compression Limiter / Metal Inserts in Flange Holes

- O Without compression limiter/inserts in Flange 1
   O Without compression limiter/inserts
   1 Compression limiter (front mounting)
   3 Compression limiter with threaded inserts M5 (front mounting)

## Dust Cap / Spring Cap

- A No dust cap supplied.
- ${\bf G}$  With spring cap (Opening to left)
- H With spring cap (Opening to right)

## Drain Spout

## 0 - Without drain spout

## Locking Device

## A - No locking device

## Rubber Boot

## 0 - No rubber boot supplied

## 1 - With rubber boot

**Mounting Hole Pattern** A - Standard pattern Flange Gasket

0 - No flange gasket supplied





## GB/T electric vehicle charging solutions

ITT's GB e-mobility solutions are built in accordance with GB-T 20234 standards for charging systems.

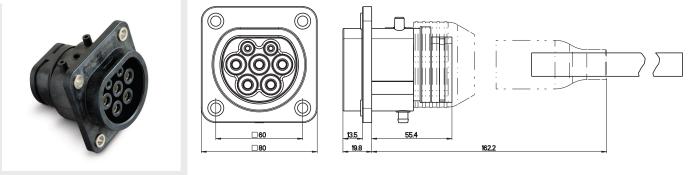
## GB performance data

Temperature Range	-30°C to +50°C
Durability	10,000 mating cycles min
Sealing Requirements	IP54/IP55
<b>Certifications Connector</b>	CQC 13029087619
Certifications Cable	CQC 1103 or 1104

## Key Features

- Drain holes at the bottom of the coupler connector/plug eliminates latch freezing and includes protective shield from small diameter metal penetration to the wiring.
- Textured coupler connector/plug handle provides enhanced grip while in use.
- Optional mating face protection lanyard dust caps options for coupler connector/plug and spring cap options for inlets provide additional protection when connectors are not in use.

## GBIE Outlet



How to order	GBIE	16	2	1	-017	S	0	А	1	А	0	А	0	-001
Connector Series & style														
Current Rating (Cable size)														
Cable Rating														
Powering System (Connector Voltage Ratin	g)													
Cable Length (3 Digits)														
Sealing Method														
Compression Limiter / Metal Inserts in Flang	ge Holes													
Dust Cap / Spring Cap														
Drain Spout														
Locking Device														
Rubber Boot														
Mounting Hole Pattern														
Flange Gasket														
Modification Code - If Applicable (3 digits)														

## Explanation

## **Connector Series & style**

GBIE - EVC GB/T 20234 Connector EVSE inlet Current Rating (Cable size)

10 - 10A (1 phase only) **16** - 16A **32** - 32A

## **Cable Rating**

2 - Level 2

Powering System (Connector Voltage Rating) 1 - Single phase (250VAC)

3 - Three phase (440VAC)

Cable Length (3 Digits)

**XXX** - Length in 0.1m\*XXX (017 = 1.7m) Sealing Method

S - Sealed

## Compression Limiter / Metal Inserts in Flange Holes

- 0 Without compression limiter/inserts
- 1 Compression limiter (front mounting)
- 3 Compression limiter with threaded inserts M5 (front mounting)

## Dust Cap / Spring Cap

- A No dust cap supplied
- C Dust cap stainless steel lanyard (155mm)
   D Dust cap stainless steel lanyard (125mm)

- E Dust cap PA lanyard (155mm)
  F Dust cap without lanyard, Sealing on OD
- M Dust Cap PA Lanyard, ring terminal (125mm)
- N Dust cap PA lanyard (125mm)

## **Drain Spout**

- 0 Without drain spout
- 1 With drain spout without tube
- 2 With drain spout with tube; 1m long
- 3 With drain spout with tube, 2m long

## Locking Device

- A No locking device B - Motorized switch assembly (No male connector supplied for locking device).
- C Motorized switch assembly including connector & 300mm cable
- D Motorized switch assembly including connector
- & 300mm cable & socket contacts on single wires
- E Solenoid 12VDC assembly (cable length 250mm)

- F Solenoid 24VDC assembly (cable length 250mm)
- ${\bf G}$  Solenoid 12VDC assembly (same as cable length)
- H Solenoid 24VDC assembly (same as cable length)

## Rubber Boot

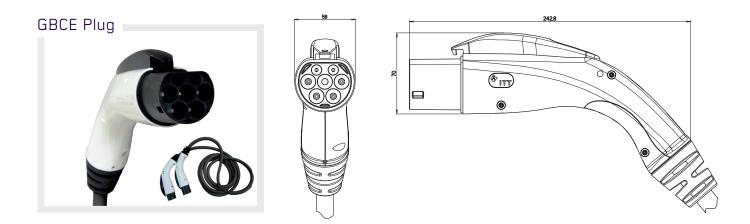
- 0 No rubber boot supplied
- 1 With rubber boot

**Mounting Hole Pattern** 

## A - Standard pattern Flange Gasket

0 - No flange gasket supplied





How to order	GBCE 16	2	1	-017	S	0	Α	-ECCV	0	А	-001
Connector Series & Style											
Current Rating (Cable size)											
Cable Rating											
Powering System (Connector Voltag	e Rating)										
Cable Length (3 Digits)											
Sealing Method											
Direction of Cable Strain Relief											
Dust Cap											
Modification Code for mode 3 com	pination (4 Letter	5)									
Direction of Cable Strain Relief											
Dust Cap											
Modification Code - If Applicable (3	digits)										

## Explanation

## Connector Series & style

**GBCE** - EVC GB/T 20234 MODE 3 connection cable EVSE coupler to vehicle coupler

## Current Rating (Cable size)

- 10 10A (1 phase only) 16 - 16A
- **32** 32A

## Cable Rating

**2** - Level 2

## Power System (Connector Voltage Rating)

1 - Single phase (250VAC)3 - Three phase (440VAC)

## Cable Length (3 Digits)

**XXX** - Length in  $0.1 \text{m}^*$ XXX (017 = 1.7m)

## Sealing Method

 $\boldsymbol{\mathsf{S}}$  - Sealed

## Direction of Cable Strain Relief

## **0** - Straight cable strain relief

## Dust Cap

- A No dust cap supplied
- B Dust cap rubber lanyard
- C Dust cap stainless steel lanyard (155mm)
- D Dust cap stainless steel lanyard (125mm)

(same connector as EJCV)

- E Dust cap PA lanyard (155mm)
- F Dust cap PA lanyard (125mm)

## Modification Code for mode 3 combination (4 Letters)

- **ECCV** Connection cable IEC type 2 connector on 2-end
- **GBCV** Connection cable GBCV connector on 2-end **EJCV** Connection cable IEC type 1 connector on 2-end
- (same connector as J2CE) J2CE - Connection cable SAE-J1772 connector 2-end

## Direction of Cable Strain Relief

## **0** - Straight cable strain relief

## Dust Cap

- A No dust cap supplied
- B Dust cap rubber lanyard
- **C** Dust cap stainless steel lanyard (155mm)
- **D** Dust cap stainless steel lanyard (125mm)
- E Dust cap PA lanyard (155mm)
- F Dust cap PA lanyard (125mm)

## Modification Code - If Applicable (3 digits)

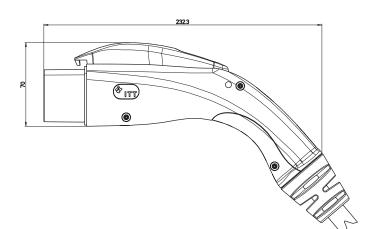
001 to 999 - For customer specific modification



## **GBCV** Connector







How to order	GBCV 16	2 1	-017	S	0	Α	-001
Connector Series & Style							
Current Rating (Cable size)							
Cable Rating							
Powering System (Connector Voltage Rating)							
Cable Length (3 Digits)							
Sealing Method							
Direction of Cable Strain Relief							
Dust Cap							
Modification Code - If Applicable (3 digits)							

## Explanation \_

Connector Series & style GBCV - EVC GB/T 20234 Connector vehicle coupler Current Rating (Cable size)

## **10** - 10A (1 phase only)

**16** - 16A **32** - 32A Cable Rating 2 - Level 2

- Powering System (Connector Voltage Rating)
- 1 Single phase (250VAC) 3 - Three phase (440VAC)

Cable Length (3 Digits) XXX - Length in 0.1m\*XXX (017 = 1.7m)

## Sealing Method S - Sealed

## **Direction of Cable Strain Relief**

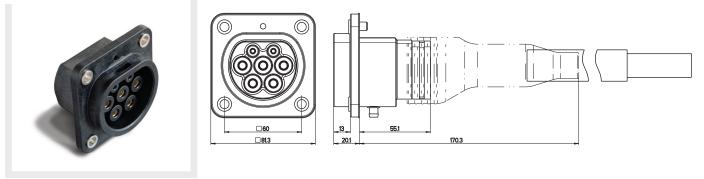
0 - Straight cable strain relief

## Dust Cap

- A No dust cap supplied
- **B** Dust cap rubber lanyard
- C Dust cap stainless steel lanyard (155mm)
- D Dust cap stainless steel lanyard (125mm)
   E Dust cap PA lanyard (155mm)
- F Dust cap PA lanyard (125mm)



## GBIV Inlet



How to order	GBIV 16	2	1	-017	S	0	А	1	А	0	А	0	-001
Connector Series & Style													
Current Rating (Cable size)													
Cable Rating													
Powering System (Connector Voltage Rating	x)												
Cable Length (3 Digits)	,												
Sealing Method													
Compression Limiter / Metal Inserts in Flang	e Holes												
Dust Cap / Spring Cap													
Drain Spout													
Locking Device													
Rubber Boot													
Mounting Hole Pattern													
Flange Gasket													
Modification Code - If Applicable (3 digits)													

## Explanation

## Connector Series & style

GBIV - EVC GB/T 20234 Connector vehicle inlet

- **Current Rating (Cable size) 10** - 10A (1 phase only) **16** - 16A
- **32** 32A

## **Cable Rating**

## 2 - Level 2

Powering System (Connector Voltage Rating)

## 1 - Single phase (250VAC) 3 -Three phase (440VAC)

Cable Length (3 Digits) XXX - Length in 0.1m\*XXX (017 = 1.7m)

## Sealing Method

S - Sealed

## Compression Limiter / Metal Inserts in Flange Holes

- 0 Without compression limiter/inserts
- 1 Compression limiter (front mounting)
- **3** Compression limiter with threaded inserts M5 (front mounting)

## Dust Cap / Spring Cap

- A No dust cap supplied
- C Dust cap stainless steel lanyard (155mm) D - Dust cap stainless steel lanyard (125mm)
- **E** Dust cap PA lanyard (155mm)
- **F** Dust cap without lanyard for OD
- M Dust Cap PA Lanyard, ring terminal (125mm)
- N Dust cap PA lanyard (125mm)

## Drain Spout

- 0 Without drain spout
- 1 With drain spout without tube
- 2 With drain spout with tube; 1m long
- 3 With drain spout with tube, 2m long

## Locking Device

- A No locking device
   B Motorized switch assembly (No male connector supplied for locking device)
- C Motorized switch assembly including connector & 300mm cable
- D Motorized switch assembly including connector & 300mm cable & socket contacts on single wires

## Rubber Boot

0 - No rubber boot supplied

1 - With rubber boot

Mounting Hole Pattern A - Standard pattern

## Flange Gasket

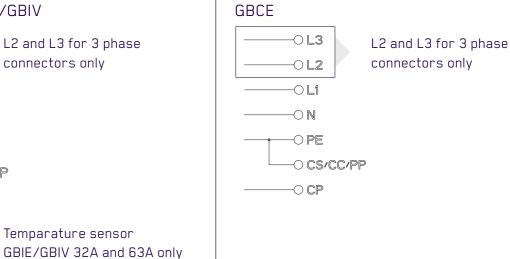
**0** - No flange gasket supplied

1 - With flange gasket

Modification Code - If Applicable (3 digits) 001 to 999 - For customer specific modification



## EV wiring plans ECIER/ECIV/GBIE/GBIV -0 L3



ECCE/ECCV

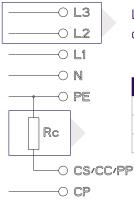
-0 L2

-O N

-O PE

-O CP <u>> 11</u>

-O CS/CC/PP

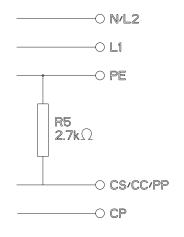


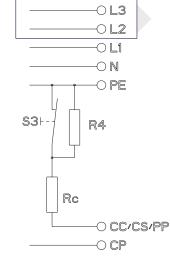
L2 and L3 for 3 phase connectors only

<b>Current Ratings</b>	Rc
20A	680Ω/0.5W
32A	220Ω/0.5W
63A	100Ω/0.5W



## J2IV/EJIV





GBCV/J2CE/EJCV

L2 and L3 for 3 phase connectors GBCV only

Current Ratings GBCV	R4	Rc
10A	1.8KΩ/0.5W	1.5KΩ/0.5W
16A	2.7KΩ/0.5W	680Ω/0.5W
32A	3.3KΩ/0.5W	220Ω/0.5W
63A	3.3KΩ/0.5W	100Ω/0.5W

Current Ratings J2CE/EJCV	R4 (R7)	Rc (R6)
All ratings	330Ω/1W	150Ω/3W



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