

Cable EV chargers Ex9EVC



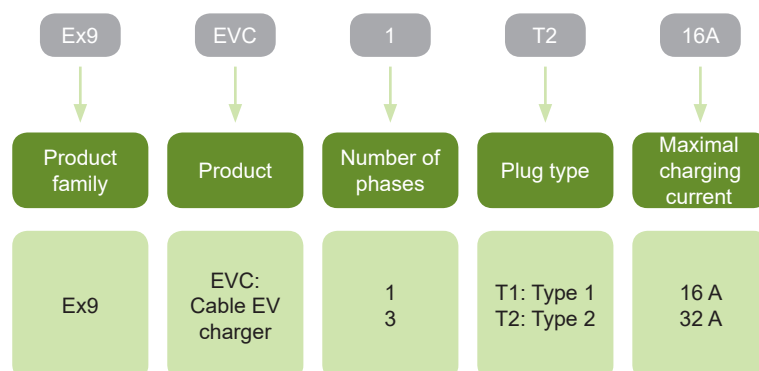
- Tested according to IEC/EN 61851
- Mobile solution of EV charging
- 1phase or 3phase versions
- Adjustable charging current up to 16 or 32 A
- EV plug Type 1 (5 pins) or Type 2 (7 pins)
- Grid plug UNISCHUKO, CEE 16A/5p or CEE 32A/5p
- Integrated RCCB type B
- All necessary protections
- Degree of protection IP55 (plugs IP44)

EV charging cable Ex9EVC is a mobile solution for charging your EV (electric vehicle). It can be used as complementary charger or replace the main charger, if you don't want to have a wall-box installed in your facility. All you need is a grid plug. Charging current can be set before start charging so you can configure charging time and control the energy consumption.

Charging cables provide all necessary protection as temperature, overvoltage and undervoltage monitoring, checking the ground and neutral wires connection and electronic status before starting charging. The battery of EV is working on DC principle and it can occur a DC current leakage. The integrated B type RCCB is able to detect leakages in DC, AC and pulsating current in a high frequency.

All versions of cable chargers Ex9EVC are provided in 5 m length with one of the two most common plugs at the EV connection side - Type 1 and Type 2. Grid plug is depended on a number of phases and maximal charging current.

Type Key



Certification marks



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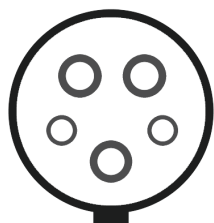
EV charging cables

- 1phase or 3phase versions
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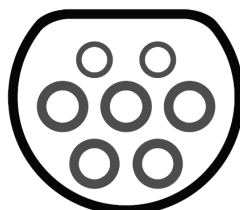


Maximal charging current	Number of phases	Plug type CAR	Plug type GRID	Article No.	Type	Packing
16 A	1 phase	Type 1	UNISCHUKO	110688	Ex9EVC1 T1 16A	1
16 A	1 phase	Type 2	UNISCHUKO	110689	Ex9EVC1 T2 16A	1
32 A	1 phase	Type 1	CEE 32A/5p	110690	Ex9EVC1 T1 32A	1
32 A	1 phase	Type 2	CEE 32A/5p	110691	Ex9EVC1 T2 32A	1
16 A	3 phase	Type 2	CEE 16A/5p	110692	Ex9EVC3 T2 16A	1
32 A	3 phase	Type 2	CEE 32A/5p	110693	Ex9EVC3 T2 32A	1

EV plug types



Type 1



Type 2

Technical Data Ex9EVC

EV charging cables

General parameters

Mobile solution of EV charging
Adjustable charging current up to 16 or 32 A
Integrated RCCB type B
All necessary protections
temperature monitoring
overvoltage and undervoltage monitoring
automatically check the electronics before charging
check of ground and neutral connection before charging

Electrical parameters

	Ex9EVC1 T1 16A	Ex9EVC1 T2 16A	Ex9EVC1 T1 32A
Tested according to	IEC/EN 61851		
Rated operating voltage U_e	200 — 260 V AC		
Rated frequency f	50 / 60 Hz		
Maximal charging current I_{max}	16 A	16 A	32 A
Adjusting steps of current	6 / 8 / 10 / 13 / 16 A	6 / 8 / 10 / 13 / 16 A	10 / 13 / 16 / 25 / 32 A
Charging power per step	1.4 / 1.8 / 2.3 / 3.0 / 3.7 kW	1.4 / 1.8 / 2.3 / 3.0 / 3.7 kW	2.3 / 3.0 / 3.7 / 5.8 / 7.4 kW
Integrated RCCB	B type - residual AC, pulsating and smooth DC current, high frequency (1 kHz)		
sensitivity to residual current	B type - residual AC, pulsating and smooth DC current, high frequency (1 kHz)		
rated residual current $I_{\Delta n}$ (AC / DC)	30 mA / 6 mA		
Connection	directly to the grid plug and EV plug		
Charging mode	mode 2		
Compatible network	TN-S, IT		
Self consumption	< 1 W		

Mechanical parameters

Cable length	5 m		
Cable dimension	4 x 2.5 mm ²	4 x 2.5 mm ²	4 x 4 mm ²
Plugs			
car connection side	Type 1 / SAE J1772	Type 2 / IEC 62196-2	Type 1 / SAE J1772
grid connection side	UNISCHUKO	UNISCHUKO	CEE 32A/5p
Degree of protection			
cable and box	IP55		
plugs (when connected)	IP44		
Ambient temperature	-30 °C — +65 °C		
Insulation class	II		
Weight	2.5 kg	2.5 kg	3.1 kg

Technical Data Ex9EVC

EV charging cables

Electrical parameters

	Ex9EVC1 T2 32A	Ex9EVC3 T2 16A	Ex9EVC3 T2 32A
Tested according to	IEC/EN 61851		
Rated operating voltage U_e	200 — 260 V AC	380 — 440 V AC	
Rated frequency f	50 / 60 Hz		
Maximal charging current I_{max}	32 A	16 A	32 A
Adjusting steps of current	10 / 13 / 16 / 25 / 32 A	6 / 8 / 10 / 13 / 16 A	10 / 13 / 16 / 25 / 32 A
Charging power per step	2.3 / 3.0 / 3.7 / 5.8 / 7.4 kW	4.1 / 5.5 / 6.9 / 9.0 / 11.0 kW	6.9 / 9.0 / 11.0 / 17.3 / 22.1 kW
Integrated RCCB			
sensitivity to residual current	B type - residual AC, pulsating and smooth DC current, high frequency (1 kHz)		
rated residual current $I_{\Delta n}$ (AC / DC)	30 mA / 6 mA		
Connection	directly to the grid plug and EV plug		
Charging mode	mode 2		
Compatible network	TN-S, IT		
Self consumption	< 1 W		

Mechanical parameters

Cable length	5 m		
Cable dimension	4 x 4 mm ²	5 x 2.5 mm ² + 0.75 mm ²	5 x 4 mm ² + 0.75 mm ²
Plugs			
car connection side	Type 2 / IEC 62196-2		
grid connection side	CEE 32A/5p	CEE 16A/5p	CEE 32A/5p
Degree of protection			
cable and box	IP55		
plugs (when connected)	IP44		
Ambient temperature	-30 °C — +65 °C		
Insulation class	II		
Weight	3.1 kg	2.9 kg	3.9 kg