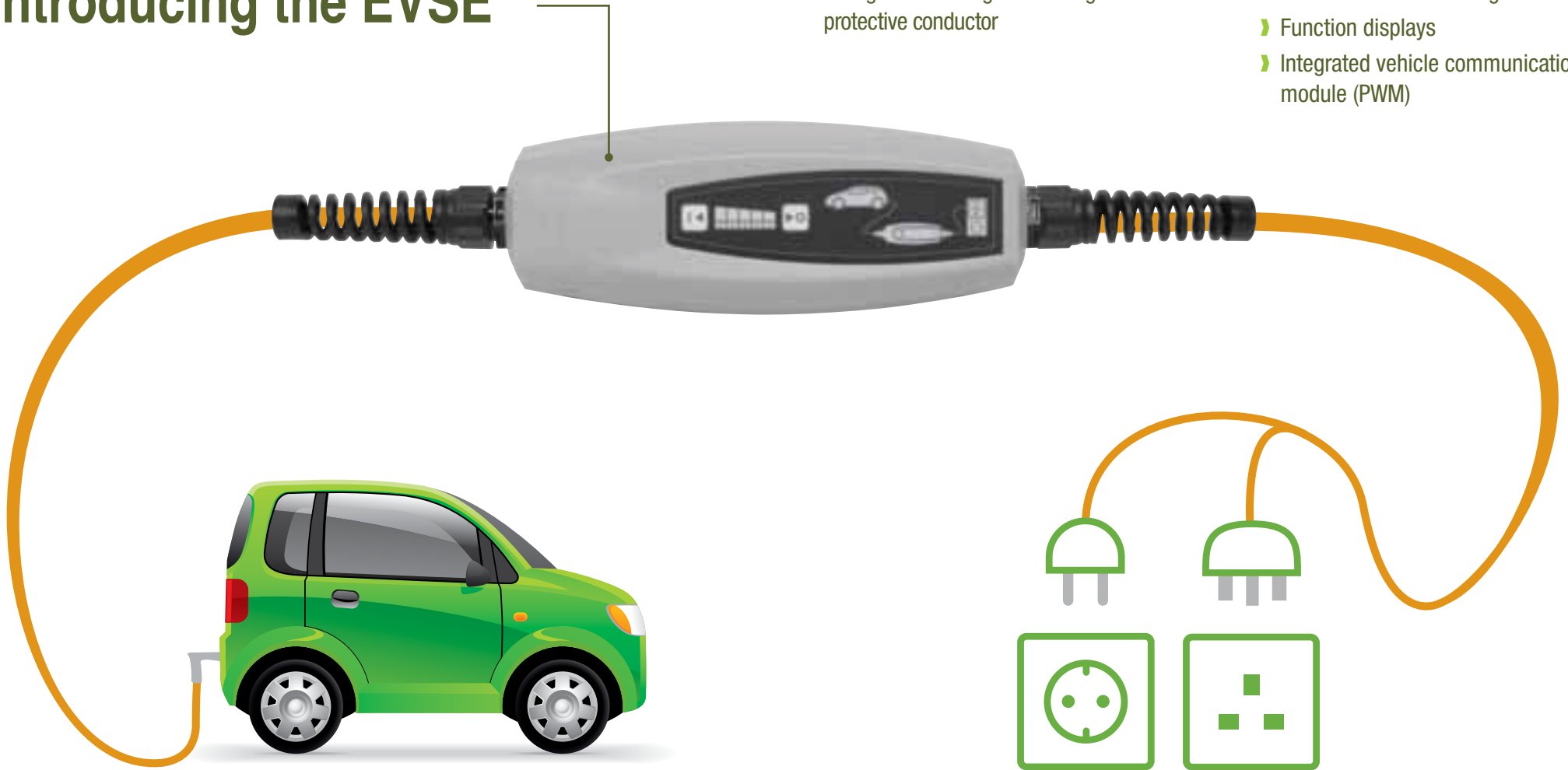


Portable EV-Charging

Introducing the EVSE

- › Residual Current Device (RCD)
- › Protective Conductor Presence (PCP)
- › Protective Conductor Monitoring (PCM)
- › Recognition of dangerous voltage on the protective conductor
- › Graphic touch panel
- › Parameterization interface
- › Thermal monitoring
- › Power failure monitoring
- › Function displays
- › Integrated vehicle communication module (PWM)



Standards

International Standards for e-mobility

<p>IEC 61 851-1:2001 Electrical equipment of electric road vehicles - Electric vehicle conductive charging system - Part 1: General requirements</p>
<p>IEC 62 196-1:2003 Plugs, socket-outlets, vehicle couplers and vehicle inlets - Conductive charging of electric vehicles - Part 1: Charging of electric vehicles up to 250 A a.c. and 400 A d.c.</p>
<p>IEC 62 335 Switched protective earth portable residual cur- rent devices (SPE-PRCD) for class 1 and battery powered vehicle applications</p>
<p>ISO 6722 Road vehicles - 60 V and 600 V single-core cables - Dimensions, test methods and requirements</p>
<p>Subject to changes due to technical progress, changes in standards or laws, changes in manu- facturing processes or design improvements.</p>

technical data sheet	
art. no	2941.0201.2
rated voltage	160 VAC - 240 VAC ± 10% / 1-phase
rated current	16 A
frequency	50 Hz (± 10%)
switching capacity	3.600 W (continuous load, 230 VAC)
power discipation	<7 W
Stand by consumption	<1 W
nominal residual current	IΔn 30 mA
tripping characteristic	RCD Typ A
Short-circuit strength	1.500 A
charging current	* 3 and 5 steps * 16A - 13A - 10A - 8A - 6A * Start charging current 10 A * Automatical reduction of charging current at over-temperature
Current indicator	6A - 1 LEDs lit (20% bar display) 8A - 2 LEDs lit (40% bar display) 10A - 3 LEDs lit (60% bar display) 13A - 4 LEDs lit (80% bar display) 16A - 5 LEDs lit (100% bar display)
operational hours of charging	>40.000 h
programmig mode	manual configuration of max. charging current
parametring interface	integrated
disconnection	all poles (L,N,PE)
power connection	L, N, PE/1-phase L1, L2, PE/1-phase
	TN, TNC, TNCS, TT, IT
operating elements	* 2 buttons * ON, OFF/TEST; PROG mode * embossed control panel - tactile model * suitable for left and right hander
user interface	self-explaining graphical touch panel and function display
thermal monitoring	* Internal temperature observation (mandatory) * External temperature observation ((optional)
Vehicle Communication	* Communication Module integrated (PWM)/ IEC61851-1:2012 * Data port short-circuit proof
Safety Functions	* Residual Current Device (RCD) * PE check of dangerous contact voltage
Operating Detection	* Automatical restart after power failure * No automatical restart after manual power off or existing failure
protection class	IP 55
Environmental Temperature	-30 °C to +50 °C
dimensions (l x w x h)	210mm x 80mm x 68mm (optional: hanging system)
weight	approx. 600 g

