

TL326-EV

Electric vehicle test lead adapter



CAT II
300V

Key features

- Type-2 Electric Vehicle charger plug
- LED status indicators for CP, L1,L2,L3
- Slider switch for CP Mode selection
- Standard 4mm sockets for instrument
- Connection to L1, L2, L3, N, CP and PE
- CP Error simulation

The Martindale TL326-EV Test Lead is an accessory to allow connection to an EVSE charging point Type-2 connector to relevant test equipment using standard 4mm jack plugs. When used with a suitable Multifunction Tester (MFT) it will allow the MFT to support all relevant measurements via the standard measurement inputs.

Ideal for both single and three-phase applications the TL326EV gives access to the following connections on the charging connector: L1, L2, L3, N, CP and PE.

The CP mode slider switch allows the following vehicle states can be simulated: No vehicle connected, vehicle connected but not ready to charge and vehicle connected and ready to charge. The additional "E" (error) setting simulates failure of the CP signal, which should cause the charger to inhibit charging.

Vehicle State	State description	CP-PE Resistance	CP Terminal Voltage
A	Electric vehicle not connected	Open (∞)	$\pm 12V$ @ 1KHz
B	Vehicle connected, not ready to charge	2.74k Ω	+9V/-12V @ 1KHz
C	Electric vehicle connected ready to charge, ventilation not required	882 Ω	+6V/-12V @ 1KHz
[E] Error	CP Error "E"	0 Ω	0V

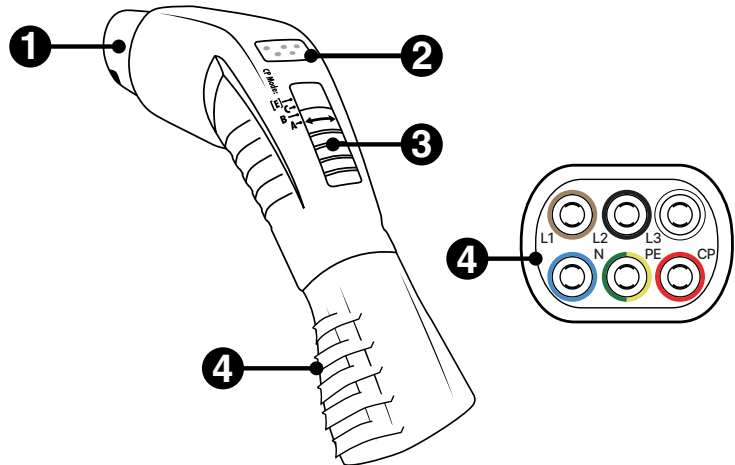
The TL326EV has a set of five LEDs which indicate the charger / vehicle status.

Vehicle State	State description	LED indications
A	No vehicle connected	None
B	Vehicle connected, not ready to charge	B only
C	Electric vehicle connected ready to charge	C & L1 (single phase)
		C & L1, L2, L3 (three phase)
[E] Error	CP Error	None

Function	TL326-EV
ELECTRICAL	
Nominal operating voltage	230V ~ / 400V 3 ~
Operating frequency	10HZ - 499HZ
GENERAL	
Dimensions	approx. Plug 230 x 60 x 55mm
Weight	300g
Mains socket and lead rating	max. 10A
PP simulation	Setup internally to 20 A
CP simulation	States A, B, C
Error simulation	CP error "E"
Test connector type	IEC 62196-2 Type 2 male
ENVIRONMENTAL	
Location	Suitable for indoor and outdoor use in dry weather conditions only
Altitude	up to 2000m
Operating temperature range	0°C to 40°C
Storage temperature	-0°C to 50°C
Relative humidity range	0 – 80%RH
Mains supply voltage fluctuations	±10%
Overvoltage category	CAT II 300V
Pollution degree	2
SAFETY	
Conforms to	BS EN 61010-1, BS EN 61010-031
Rating	Class II, Reinforced insulation

SWITCHES AND CONNECTORS

1. Type-2 Electric Vehicle charger plug
2. LED status indicators for CP, L1,L2,L3
3. Slider switch for CP Mode selection
4. 4mm sockets for instrument connection to L1, L2, L3, N, CP and PE



Included

TL326-EV Electric Vehicle Charger Adapter and a TC68 Soft Carry Case.

Related products:

ET6300 Multifunction Tester (EV Ready)
ET6500 Advanced Multifunction tester (EV / Downloadable)
BZ820-EV EV socket checker

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