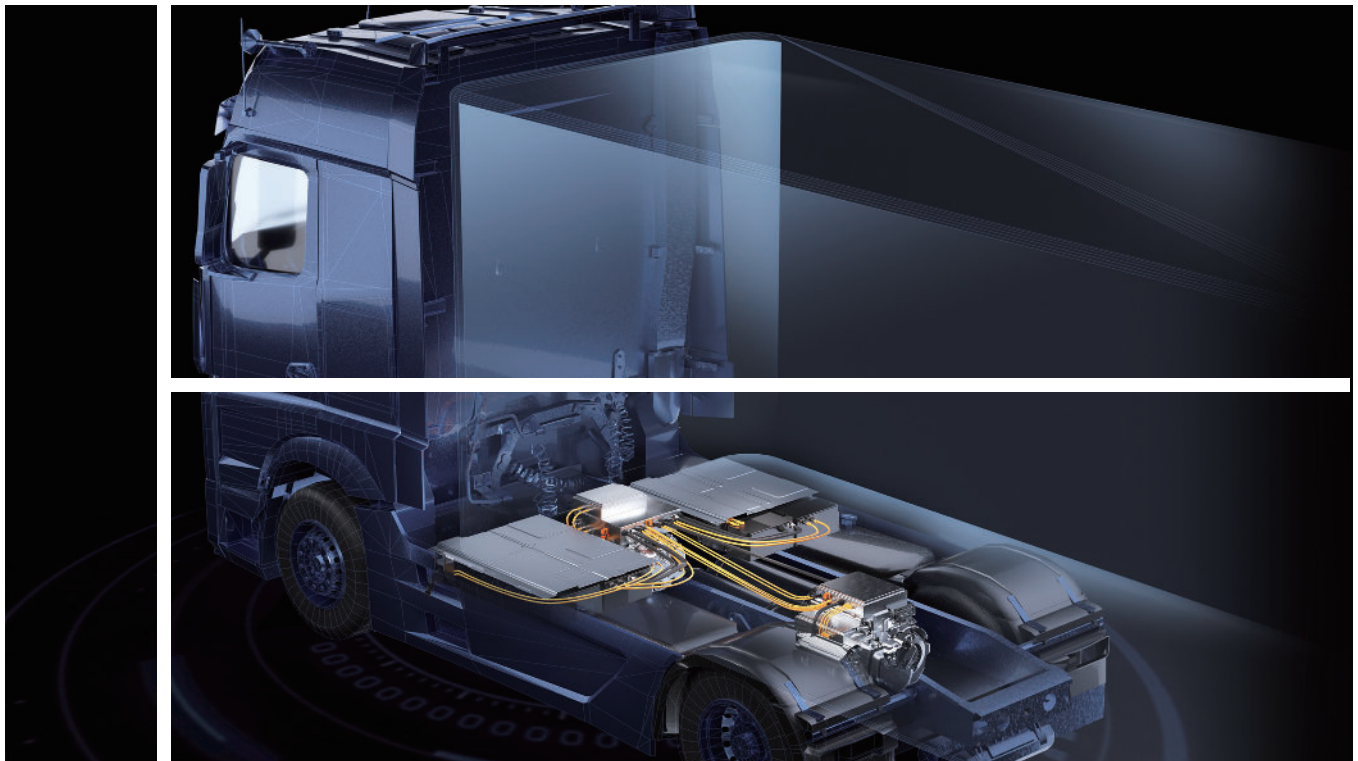


TMPT CONNECTOR

EV battery Module High Voltage SOLUTIONS

Product Catalog

2025.Oct Rev A





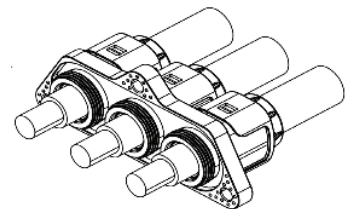
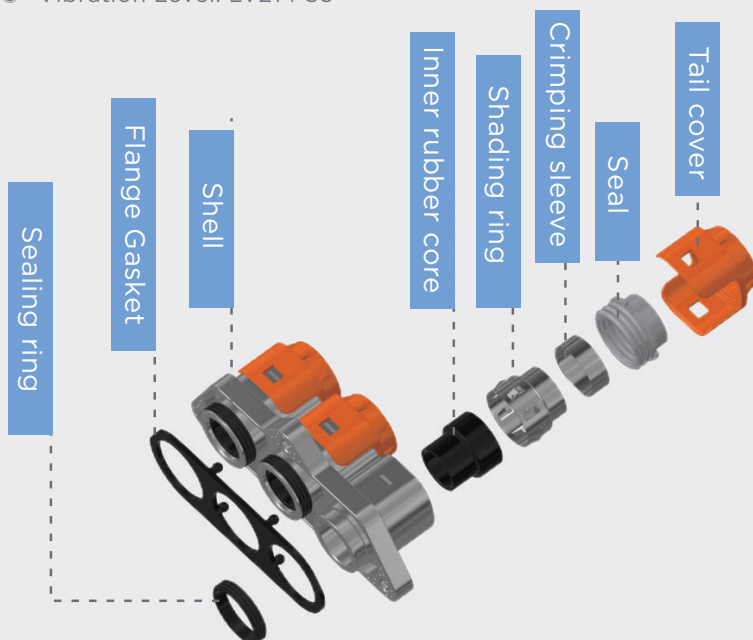
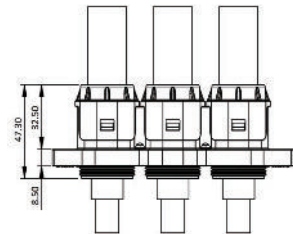
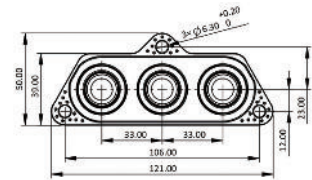
TMPT

High Performance version EV Motor and MCU Connection

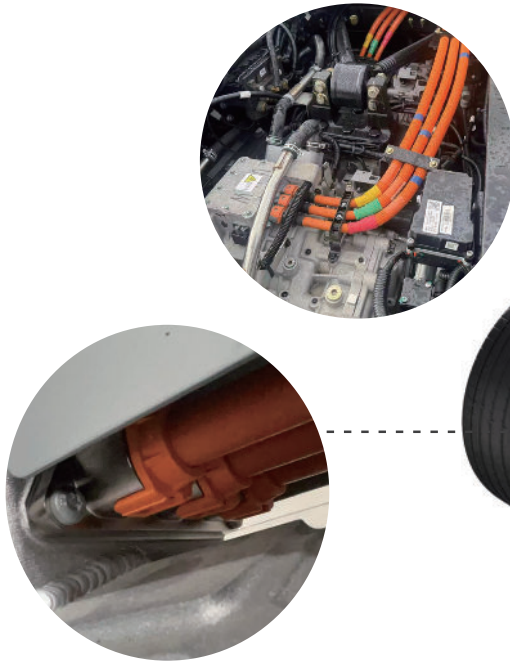
TMPT connector is a high-performance aluminum alloy connector primarily used for connecting the motor and electronic control system in EV. Compared to HV 3pos connector, TMPT connector has better protection performance, better shielding performance, better electrical conductivity, lighter weight. Accommodates cable size from 35-95mm².

Key Features

- Operating temperature: -40°C~+140°C.
- Current rating: 35mm²: 150A, 50MM²: 200A, 70mm²: 300A, 95mm²: 350A
- Operating voltage: 1500 VDC.
- Dielectric withstanding voltage: 5000 VDC.
- Protection class: Mated-IP68 (1m 48h)
- Recommended Screw Assembly Torque on Flange : 2.4-3.6Nm
- Shielding: The shielding current can meet 30% of the rated current, crimped with H+S cable) (Tested)
- Salt spray: 1008H
- Vibration Level: LV214 S3



Application



- ☛ **Excellent Waterproof Performance!**
- ☛ **Superior Shielding Resistance!**
- ☛ **High Vibration Class! (LV214 S3)**
- ☛ **Multiple Cable Brand Options!**



Ordering Information

TMPT 03 X - 35 - 5

Product Type	Connector Type		Keying		Current Size (mm ²)	Current Rating	Cable OD	Accepted Cable Brand			
TMPT Connector	03	3POS	X	Orange	35	180A	Φ 14.5mm ± 0.5	/	Powerlink		
					50	250A	Φ 17.0mm ± 0.5				
			Y	Black	70	300A	Φ 19.5mm ± 0.5				
				U	Yellow	35	180A	Φ 12.7mm ± 0.3	5	H+S	
					50	250A	Φ 14.9mm ± 0.5				
			V	Green	70	300A	Φ 17.0mm ± 0.5				
					95	350A	Φ 19.9mm ± 0.5				
			W	Red	35	180A	Φ 14.4mm - 0.6	S	LV216		
					50	250A	Φ 15.8mm - 0.6				
			T	Blue	70	300A	Φ 18.2mm - 0.8				
					95	350A	Φ 20.9mm - 0.8				

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