Amphenol[®]



ePower-Lite

to be used in the hybrid electric vehicle market. The series offers 2-pole, 3-pole and 4-pole options. The robust plastic shell can withstand high temperatures up to 125°C and provides dielectric protection for the connector.

The compact, plastic shell structure is light weight with a small footprint, and is field installable and repairable. ePower-Lite also includes a CPA to provide connector position assurance that it is mated. All these attributes make ePower-Lite the interconnect of choice for the EV and Hybrid markets.

Features and Benefits:

- Plastic shell, light weight Compact design for space considerations with EVs Low mating/un-mating force Durability: 100 mating cycles minimum Water Proof: IP67 Touch-Proof: IEC 60529 Flammability: UL 94V-0 EMC optional HVIL optional RoHS Compliant

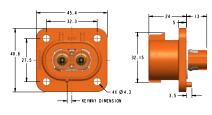
www.amphenol-industrial.com

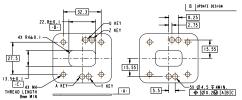


EV/HEV Application

Technical Data											
	2-Pole	70A RADSOK®/5A HVIL	Test Voltage (Sea Level)	3000 VAC RMS							
Contact Test Current	3-Pole	70A RADSOK®/5A HVIL	Operating Temperature	-40°C to 125°C							
	4-Pole	70A RADSOK®/5A HVIL	Operating Voltage	800V AC							
	2-Pole	2 & 2	Finger Proof	IEC 60529							
Number of Contacts	3-Pole	3 & 2	Durability	100 (Min)							
	4-Pole	4 & 2	Water Proof	IP67 (Mated)							
	2-Pole	3.6mm/#20	Salt Spray	96H							
Contact Size	3-Pole	3.6mm/#20	HVIL	Optional							
	4-Pole	3.6mm/#16	Recommended Torque	M4: 0.5 ~ 0.7N.M							

2-Pole Electrical Receptacle with HVIL & Shielding Shell

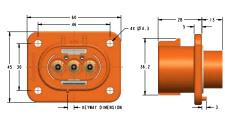


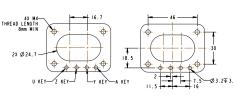


2-Pole Electrical Plug

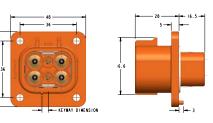
with HVIL & Shielding Shell

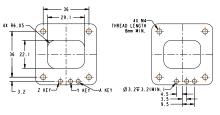
3-Pole Electrical Receptacle with HVIL & Shielding Shell



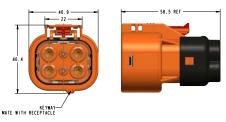


4-Pole Electrical Receptacle with HVIL & Shielding Shell





4-Pole Electrical Plug with HVIL & Shielding Shell



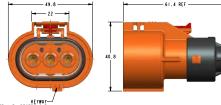
KEYWAY MATE WITH RECEPTACLE

KETWAY MARKING

Key Marking



3-Pole Electrical Plug with HVIL & Shielding Shell



KEYWAY-NATE WITH RECEPTACLE

How To Order

Product Series	С	onnector Type	N	Pole lumber	h	ndex / Key	Crimped Wire Size		EMI & HVIL Options (Omit to include EMI & HVIL)			
EL	Р	Plug	2	2-Pole	А	Key/A	01	2.5mm ²	01	Yes EMI but No HVIL		
	R	Receptacle	3	3-Pole	Υ	Key/Y	02	4.0mm ²	10	No EMI but Yes HVIL		
			4	4-Pole	Z	Key/Z	03	6.0mm ²	11	No EMI & No HVIL		
					U	Key/U	04	10.0mm ²				

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

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