



EM12M Series

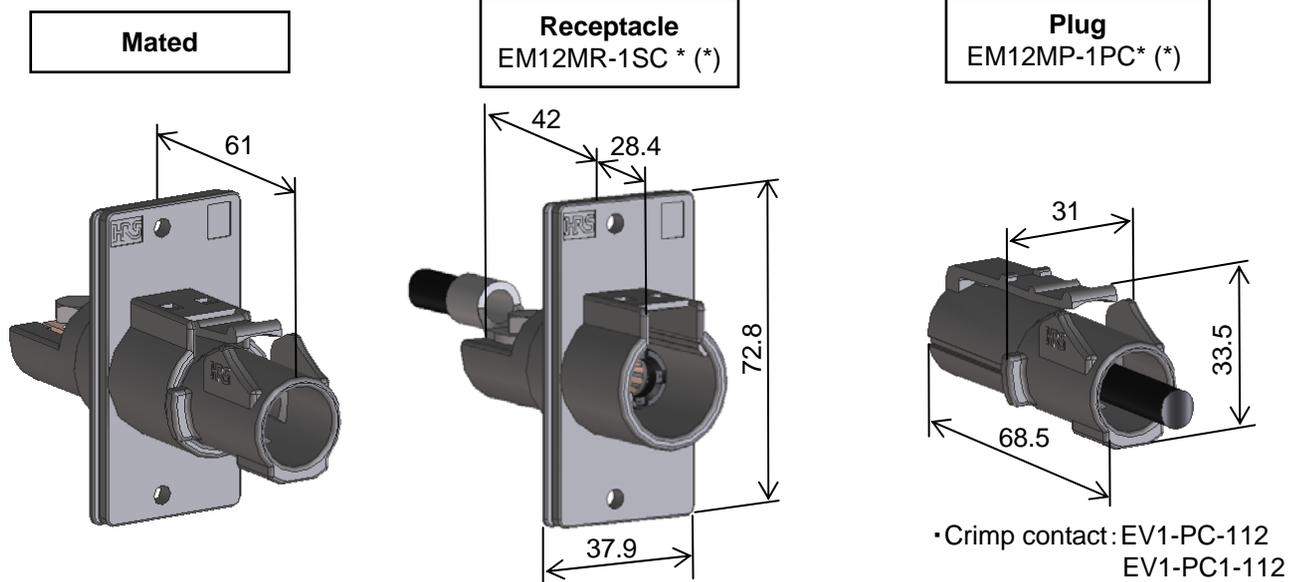
Single Pos. Snap-in Lock Power Connector up to 90 Amps

◆ Features

1. Supports 90 Amps by using 22mm² cables
2. Quick and secure snap-in inertia lock
3. Safety design with finger protection
4. Crimp termination with commercially available crimp tool.
5. Keying and colored housings prevents mis-wiring
6. TÜV, UL certified
7. RoHS compliant



◆ Dimensions



• Crimp contact: EV1-PC-112
EV1-PC1-112

• Applicable cable:
Nominal sectional area,
22 (16.78 to 26.66) mm²

◆ Specifications

• Use commercially available crimp terminal
38 mm², 22 mm², 14 mm² sizes are applicable

■ Material and Finish

Item	Material	Finish
Housing	PBT	UL94V-0, Black or Red
Terminal Cover	PA	UL94V-0, Black
Contact Spring	Copper Alloy	Silver plating
Contact	Copper Alloy	Silver plating

• Recommended crimping tool: JIS C 9711
9H60 or REC 150F supplied by
Izumi Products Company

■ Performance Characteristics

Rated current	Cross-sectional area of applicable cable		Rated Current
	Plug	Receptacle	
22 (16.78 to 26.66) mm ²		14 (10.52 to 16.78) mm ²	70 Amps
		22 (16.78 to 26.66) mm ²	90 Amps
		38 (26.66 to 42.42) mm ²	
Rated Voltage	AC/DC 600 V		
Operating Temp. Range	-25 °C to +105 °C		
Contact Resistance	0.5 mΩ Max. (DC 1 A)		
Insulation Resistance	1000 MΩ Min. (DC 500 V)		
Withstanding Voltage	AC 3310V, 1 minute		
Durability	30 times		

Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings or availabilities.