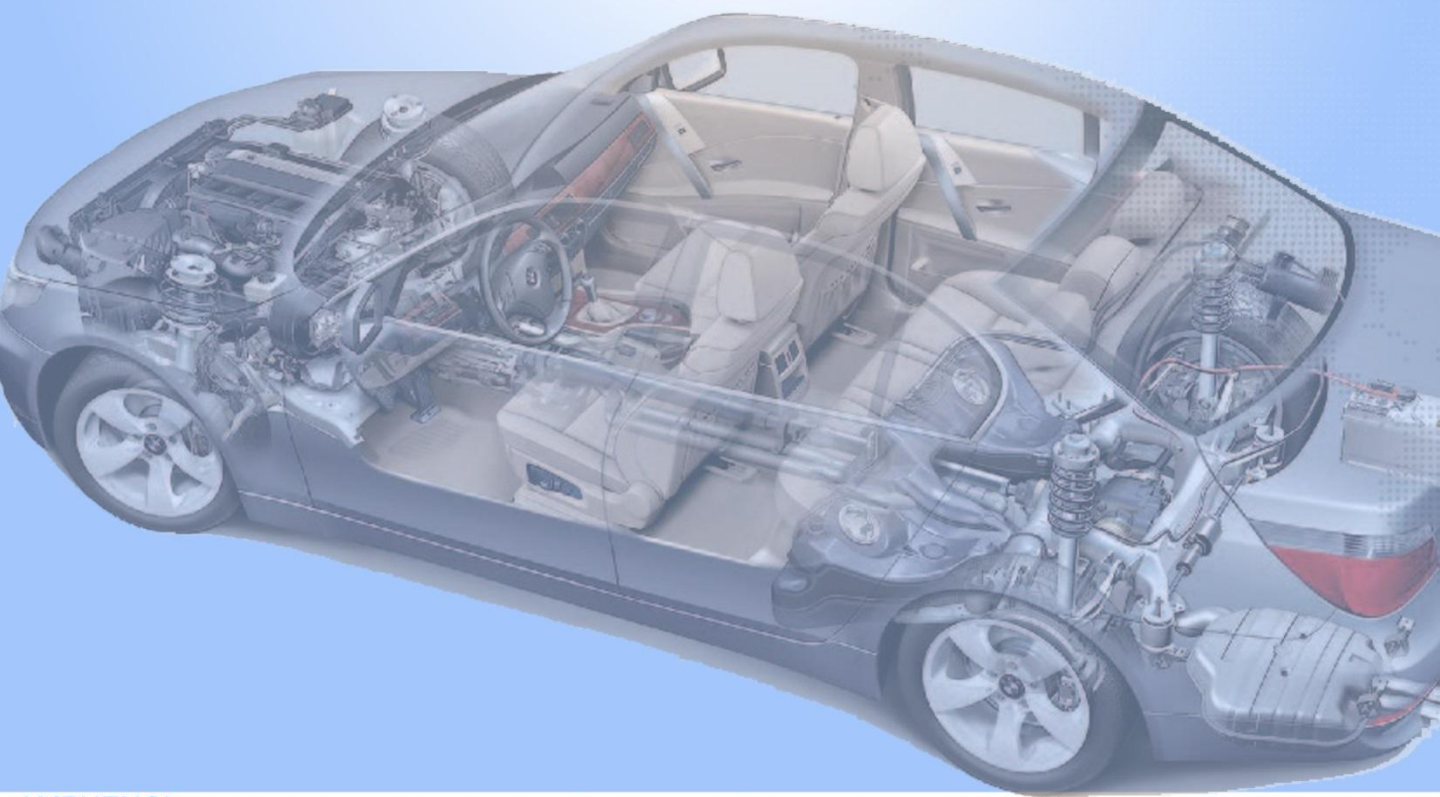




DC Current Rating	25 A~65 A
DC Voltage Rating	1000V
Temperature Range	-40°C to +125°C
Flammability	UL94 V-0
Mating Cycle	Min. 500

Features

IP67 Protection
HVIL
Touch Proof
Multi Polarization
2 & 4 Position Connections
Automatic Secondary Lock

POWERLOK 4.0
UNSHIELDED TYPE

Applications

- Electric air conditioning
- Battery pack
- High voltage power distribution
- DC/DC converter
- Electric heater
- On-board charger
- Electric power steering

Ordering Code

2 Position Connectors

Current Rating	Cable Size	Polarization	Reference Plug P/N	Reference Mating Receptacle P/N	Application Specification
25 A	2.5 mm ²	X	PL482X-61-2.5	PL082X-61-2.5	ATPI002
		Y	PL482Y-61-2.5	PL082Y-61-2.5	
		U	PL482U-61-2.5	PL082U-61-2.5	
35 A	4 mm ²	X	PL482X-61-4	PL082X-61-4	ATPI002
		Y	PL482Y-61-4	PL082Y-61-4	
		U	PL482U-61-4	PL082U-61-4	
55 A	6 mm ²	X	PL482X-61-6	PL082X-61-6	ATPI002
		Y	PL482Y-61-6	PL082Y-61-6	
		U	PL482U-61-6	PL082U-61-6	
65 A	10 mm ²	X	PL482X-61-10	PL082X-61-10	ATPI002
		Y	PL482Y-61-10	PL082Y-61-10	
		U	PL482U-61-10	PL082U-61-10	

4 Position Connectors

Current Rating	Cable Size	Polarization	Reference Plug P/N	Reference Mating Receptacle P/N	Application Specification
25 A	2.5 mm ²	X	PL484X-41-2.5	PL084X-41-2.5	ATPI002
		Y	PL484Y-41-2.5	PL084Y-41-2.5	
		U	PL484U-41-2.5	PL084U-41-2.5	
35 A	4 mm ²	X	PL484X-41-4	PL084X-41-4	ATPI002
		Y	PL484Y-41-4	PL084Y-41-4	
		U	PL484U-41-4	PL084U-41-4	
55 A	6 mm ²	X	PL484X-41-6	PL084X-41-6	ATPI002
		Y	PL484Y-41-6	PL084Y-41-6	
		U	PL484U-41-6	PL084U-41-6	

Sealing Plugs

Part NO.	Cable Size	Application Specification
AC-CP000384	2.5 mm ²	ATPI002
AC-CP000385	4mm ²	
AC-CP000386	6mm ²	

Ordering Information

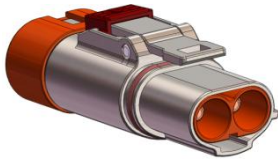
		PL (A)	482 (B)	X (C)	-	60 (D)	-	4 (E)		
(A) Product Type		(B) Connector Type		(C) Polarization & color		(D) Series		(E) Accepted Cable Size		
								Cable Size		Current Rating
PL	POWERLOK 4.0	082	2POS Receptacle	X	Key "X" Orange	60	60 Series	2.5	2.5 mm ²	25 A
		482	2POS Plug Connector, Straight	Y	Key "Y" Black	61	60 Series with HVIL	4	4 mm ²	35 A
		084	4POS Receptacle	U	Key "U" Yellow	40	40 Series	6	6 mm ²	55 A
		484	4POS Plug Connector, Straight			41	40 Series with HVIL	10	10 mm ²	65 A

POWERLOK 4.0

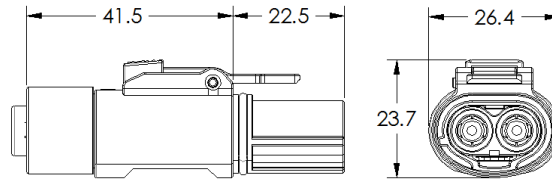
UNSHIELDED TYPE

Dimensions

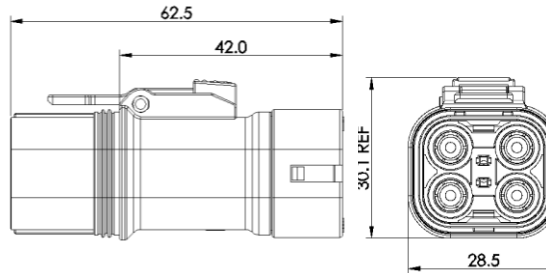
Plug Dimensions



2 Position Plug



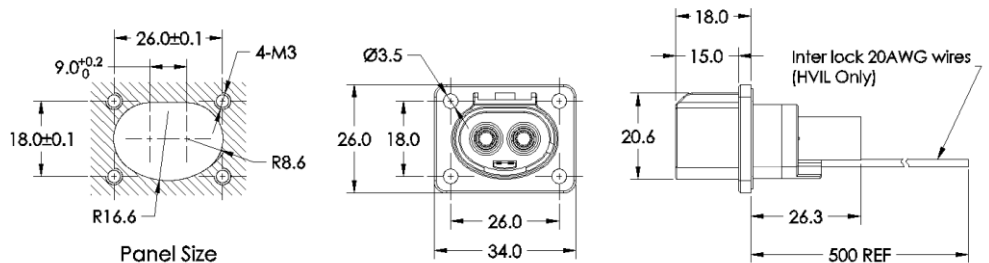
4 Position Plug



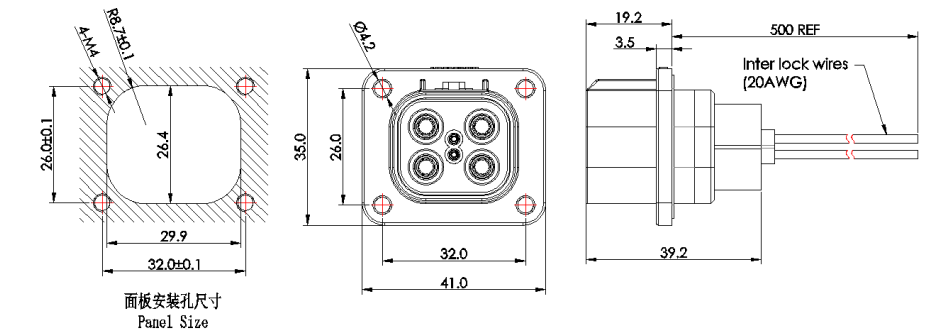
Receptacle Dimensions



2 Position Receptacle



4 Position Receptacle



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. AMPHENOL is a registered trademark of Amphenol Corporation.

For further information on your individual application requirements, contact: Amphenol Corporation

Amphenol Technical Products International Co.
2110 Notre Dame Avenue Winnipeg,
MB Canada R3H 0K1
Telephone: 1-204-697-2222
Fax: 1-204-694-6164
www.tpil.com

Amphenol Sincere Flex Circuits Co., Ltd.
No. A, WanAn Industrial Park LanHe Town, Nansha
District, Guangzhou - China 511480
Telephone: 86-20-3483-9801
Fax: 86-20-3483-9800
www.amphenol-tpi.com

Amphenol Industrial Operations
40-60 Delaware Street Sindy, New York
13838-1395 - USA
Telephone: 020-3483-9801
Fax: 020-3483-9800
www.amphenol-industrial.com