

# 12, 24 & 48 Volt Solutions

## SELECTOR GUIDE

### APPLICATIONS:

- 48V electrical centers
- Power distribution boxes
- Start-stop systems
- E-turbo
- Battery
- Active suspension
- BSG units
- High current harness and devices
- Sealed pass-through panel mount systems



<b>Application</b>	48V electrical centers, Power distribution boxes, Start-stop systems, E-turbo, Battery, Active suspension, BSG units
<b>Description</b>	POWERPACK 48V SEALED RING CONNECTOR
<b>Amperage at 85°C</b>	250 A
<b>Voltage</b>	12 - 48 V
<b>Orientation</b>	90°
<b># of Ways</b>	1
<b>Shielding</b>	No
<b>Vibration Class</b>	V3
<b>Temperature Class</b>	T4
<b>Sections</b>	35 mm <sup>2</sup> 50 mm <sup>2</sup>
<b>See Page</b>	<b>62-63</b>



High current harnesses and devices,  
Sealed pass-through panel mount systems

POWERPACK LV 1000 INLINE CONNECTOR	POWERPACK LV 1000 INLINE CONNECTOR	POWER PACK LV1000 DEVICE CONNECTOR
	145 A	
	12 - 48 V	
180°	180°	90° & 180°
	1 & 2	
	No	
	V1	
	T3	
	8 - 25 mm <sup>2</sup>	
	<b>64-65</b>	

# POWERPACK 48V SEALED RING CONNECTOR



## BENEFITS

- Fast and easy assembly process
- High robustness against vibrations
- High current carrying capabilities

## FEATURES

- Ideal solution for 12 to 48V requiring sealed ring connections
- Can be screwed from the top
- Header interface available for system supplier integration on the box
- M8 ring terminal bolted to device

## APPLICATIONS

48V electrical centers

Power distribution boxes

Start-stop systems

E-turbo

Battery

Active suspension

BSG units

## AVAILABLE CONFIGURATIONS

Connector Type Wire-to-device

Cable Exit Orientation 90°

Cable Range (mm<sup>2</sup>) 35, 50

Terminal Type M8 ring terminal

# of Power Terminals 1

Shielding Type Unshielded

HVIL None

Assembly Assurance None

Number of Indexes 1

## PERFORMANCE

TEMP RANGE

+140°C

-40°C

MAX CURRENT AT 85°C

250 A

MAX DC VOLTAGE

48 V

VIBRATION LEVEL

V3

SEALING CLASS

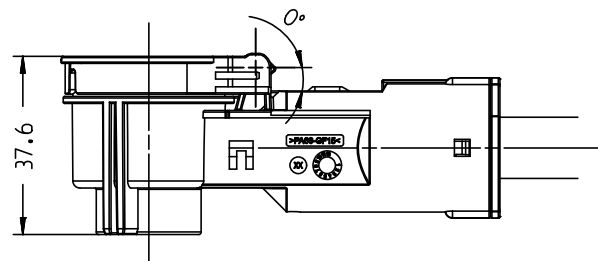
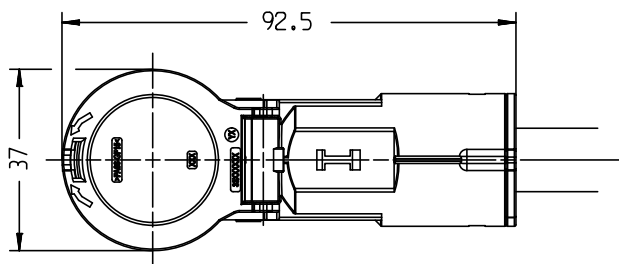
IP67  
IP6K9K

Mating connector	Header connector	BOM
33376962	Please contact you Aptiv representative for more information	1

## ASSOCIATED PARTS

Part number	Type	Applicable wire size (mm <sup>2</sup> )	Cable type	BOM
33376821	Single wire seal retainer	35 - 50	-	2
33329995	M8 O-ring terminal	35 - 50	-	1
35093138	Single wire seal	35	Unshielded	1

## DIMENSION MEASUREMENT SAMPLE



33376962

# POWERPACK LV1000



1 Way Inline Connectors



2 Way Inline Connectors



2 Way Device and Pass-Through Connectors

## APPLICATIONS

High current harnesses and devices

Sealed pass-through panel mount systems

## BENEFITS

- High current carrying capacity
- Proven terminal system
- Compact system design
- Field proven in both automotive and heavy duty applications

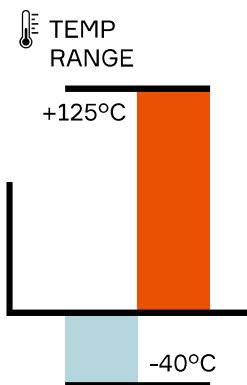
## FEATURES

- Silver-plated multi-contact terminal system
- Sealed panel mount pre-stages prior to fastening
- Panel mount secured in place with self-tapping screws
- Pass-through connection accepts both straight and right angle connectors

## AVAILABLE CONFIGURATIONS

Connector Type	Wire-to-device, wire-to-wire, pass-through
Cable Exit Orientation	180°, 90°
Cable Range (mm <sup>2</sup> )	8 - 25
Terminal Type	Power Pack 1000
# of Power Terminals	1 or 2
Shielding Type	Unshielded
HVIL	None
Assembly Assurance	None
Number of Indexes	2

## PERFORMANCE



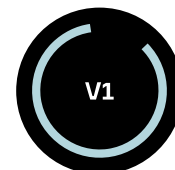
MAX CURRENT AT 85°C



MAX DC VOLTAGE



VIBRATION LEVEL



SEALING CLASS



## 1 Way Inline Connectors

Male connector	Mating connector	BOM
13882980	13952702	1

## 2 Way Inline Connectors

Index	Male connector	Mating connector	BOM
103	13849747	13849756	1
104	13849748	13849757	

## 2 Way Device and Pass-Through Connectors

Index	Header connector	Mating connector		BOM
		180°	90°	
103	13959824	13849756	13849758	1

## ASSOCIATED PARTS

Part number	Description	BOM
<b>Header / Male inline</b>		
13675577	PP1000 silver-plated 8 - 10 mm <sup>2</sup>	1
13675579	PP1000 silver-plated 19 - 25 mm <sup>2</sup>	
<b>Mating connector</b>		
13675583	PP1000 silver-plated 8 - 10 mm <sup>2</sup>	1
13675585	PP1000 silver-plated 19 - 25 mm <sup>2</sup>	
<b>Seals and Retainers*</b>		
13675510	Cable seal PP1000 4.54 - 5.79 dia cable (grey) 8 - 10 mm <sup>2</sup>	1
13675513	Cable seal PP1000 1.01 - 9.19 dia cable (blue) 19 - 25 mm <sup>2</sup>	
13849785	Cable seal retainer PP1000 8 - 10 mm <sup>2</sup>	1
13849788	Cable seal retainer PP1000 19 - 25 mm <sup>2</sup>	

\* For both header, male inline + mating connector

## DIMENSION MEASUREMENT SAMPLE

