

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



Application	48V electrical centers, Power distribution boxes, Start-stop systems, E-turbo, Battery, Active suspension, BSG units
Description	SEALED RING CONNECTOR
Amperage at 85°C	250 A
Voltage	12 - 48 V
Orientation	90°
# of Ways	1
Shielding	No
Vibration Class	V3
Temperature Class	T4
Sections	35 mm ² 50 mm ²
See Page	60-61



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

1 WAY INLINE CONNECTORS	2 WAY INLINE CONNECTORS	2 WAY DEVICE CONNECTOR with straight and right angle Exit
145 A		
12 - 48 V		
180°	180°	90° & 180°
1 & 2		
No		
V1		
T3		
8 - 25 mm ²		
62-63		

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

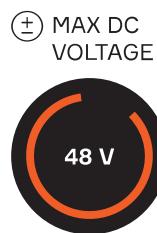
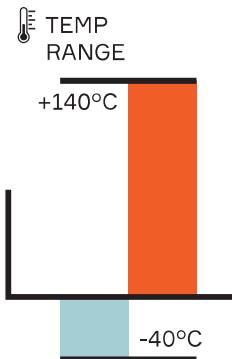
Active suspension

BSG units

AVAILABLE CONFIGURATIONS

Connector Type	Wire-to-device
Cable Exit Orientation	90°
Cable Range (mm ²)	35, 50
Terminal Type	M8 ring terminal
# of Power Terminals	1
Shielding Type	Unshielded
HVIL	None
Assembly Assurance	None
Number of Indexes	1

PERFORMANCE

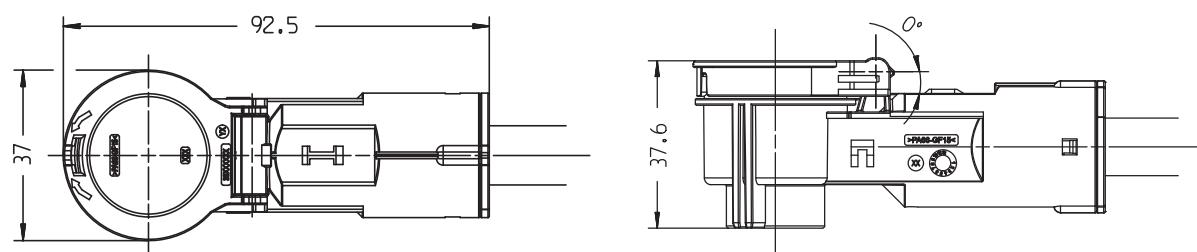


Mating connector	Header connector	BOM
33376962	Please contact you Aptiv representative for more information	1

ASSOCIATED PARTS

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

DIMENSION MEASUREMENT SAMPLE



33376962

POWER PACK 1000



1 Way Inline Connectors



2 Way Inline Connectors



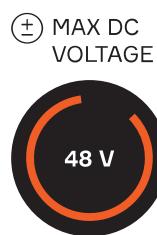
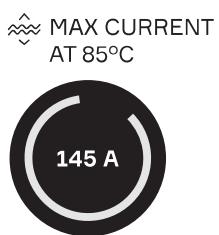
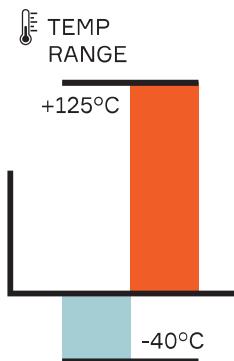
2 Way Device and Pass-Through Connectors

APPLICATIONS

High current harnesses and devices

Sealed pass-through panel mount systems

PERFORMANCE



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 ²)	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

1 Way Inline Connectors

Header connector	Mating connector	BOM
13882980	13952702	1

2 Way Inline Connectors

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

* For both header, male inline + mating connector

DIMENSION MEASUREMENT SAMPLE