48V SEALED RING CONNECTOR

48V Sealed Ring Connector

SEALED RING BENEFITS

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

SEALED RING CONNECTOR 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

AVAILABLE CONFIGURATIONS

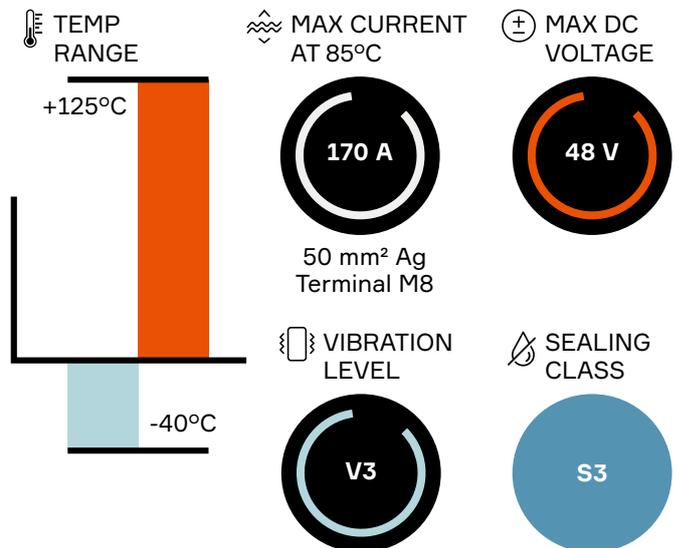|	
Connector Type	Wire-to-device
Cable Exit Orientation	90°
Cable Range	35 mm² and 50 mm²
Terminal Type	M8 ring terminal
# of Power Terminals	1
Shielding Type	Unshielded
HVIL	None
Assembly Assurance	None
Number of Indexes	1

APPLICATIONS

48V electrical centers, power distribution boxes, start-stop systems, E-turbo, battery, active suspension, and BSG units

See back page for representative part numbers and packaging dimensions.

TECHNICAL CHARACTERISTICS

TEMP RANGE
+125°C
-40°C

MAX CURRENT AT 85°C
170 A
50 mm² Ag Terminal M8

MAX DC VOLTAGE
48 V

VIBRATION LEVEL
V3

SEALING CLASS
S3

((O)) VIBRATION SPEC

PF90012 (22-Apr.-2014)
USCAR 2 Rev.6 2016, USCAR 21 Rev.2 2008

About Aptiv

Aptiv is a global technology company that develops safer, greener and more connected solutions enabling the future of mobility. Headquartered in Dublin, Aptiv has approximately 150,000 employees and operates 14 technical centers, as well as manufacturing sites and customer support centers in 45 countries.

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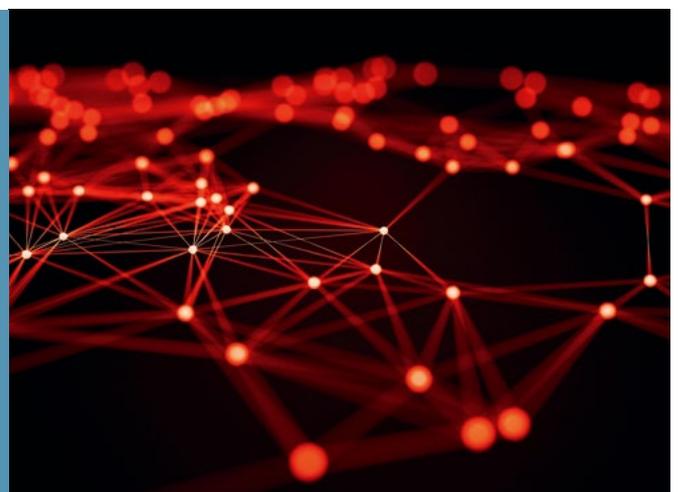
● A P T I V ●

PART NUMBERS

Index	Female	Header
A	33376962	Please contact you Aptiv representative for more information

ASSOCIATED PARTS

Part number	Type	Applicable wire size (mm²)	Cable type
33376821	Single wire seal retainer	35 - 50	-
33329995	M8 O-ring terminal	35 - 50	-
35093138	Single wire seal	35	Unshielded
35049931	Single wire seal	35	Shielded

DIMENSION MEASUREMENT SAMPLE
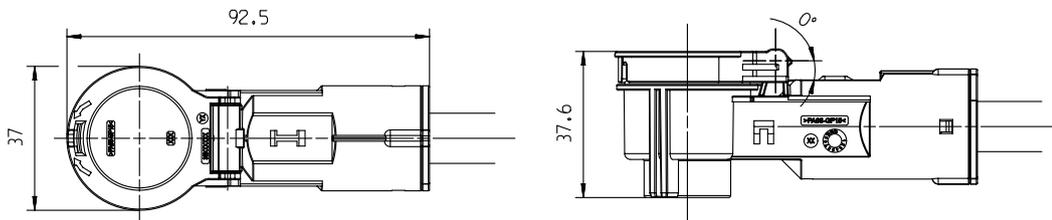
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COMPATIBLE WITH

48V Interface

CS-SP89-HV-En0219

APTIV