



HV RCS 800 SERIES



BENEFITS

- Easy to assemble with integrated ErgoMate™ Axial Mating Assist System on harness connector
- Compact package with unique integrated electric interlock
- Header is sealed in both mated and unmated positions

FEATURES

- Bundle shielding with external braid
- Panel mount to device with face seal to module
- Two-stage disconnect for safe unmating

APPLICATIONS

AC / DC inverter

DC / DC converter

HV battery

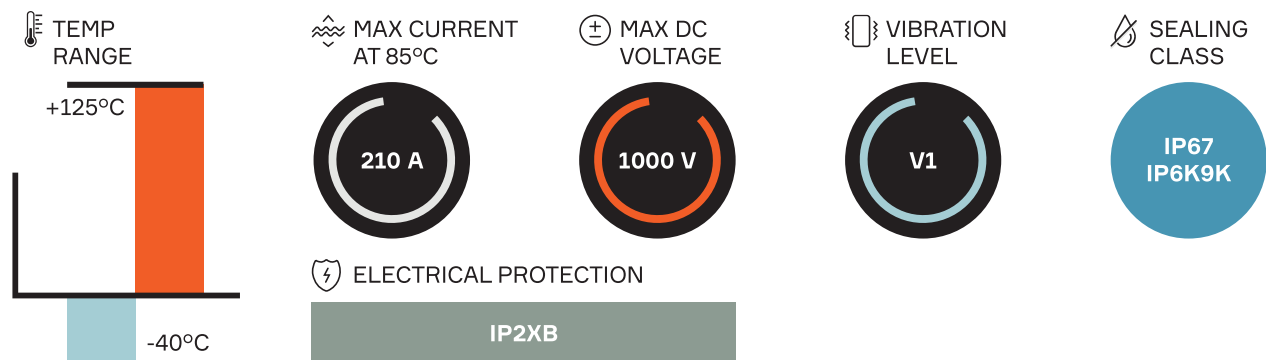
Power electric box

HV PDU

AVAILABLE CONFIGURATIONS

Connector Type	Wire-to-device
Cable Exit Orientation	180°
Cable Range (mm ²)	35 - 50 (power) 0.5 - 0.75 (HVIL)
Terminal Type	8 mm round contact system
# of Power Terminals	2
Shielding	Bundle
HVIL	Shunt on female
Assembly Assurance	CPA
Number of Indexes	2

PERFORMANCE

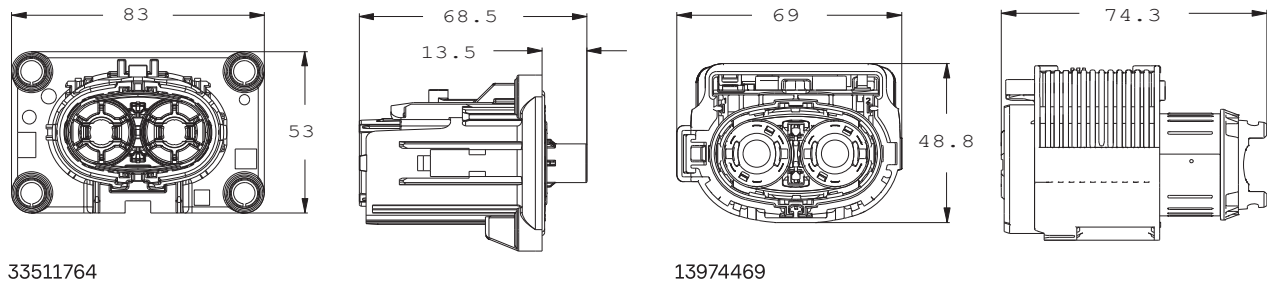


Index	Header connector	Mating connector	BOM
1	33511764	13974469	1
2	33511762	33511761	

ASSOCIATED PARTS

Part number	Description	BOM
Header		
33512193	RCS 800/890 male pin terminal silver version standard length	2
33511746	RCS 800/890 male pin terminal silver version V1 length	
33511747	RCS 800/890 male pin terminal silver version V2 length	
10779703	DCS2 1.5 male terminal gold-plated 0.5 - 1.0 mm²	2
15441379	DCS/DSQ 1.5 red single wire seal 0.22 - 0.5 mm²	2
15441380	DCS/DSQ 1.5 grey single wire seal 0.75 - 1.0 mm²	
Mating Connector		
13893887	RCS 800 female terminal silver version 35 - 50 mm²	2
13893889	RCS 800 female retainer (plug)	2
13893888	RCS 800 female 35 - 40 mm² (plug)	2
13923559	RCS 800 female 50 mm² (plug)	

DIMENSION MEASUREMENT SAMPLE





HV RCS 800

DIRECT MATE 1 WAY



BENEFITS

- Cost effective thanks to the direct connection between the female connector and the male terminals within the device case
- Unique and safe mating screwing with innovative Screw Position Assurance (SPA)
- Versatile solution covering multiple applications: high voltage power conversion and 48 volt

FEATURES

- Robust bolt driven mate assist
- Fingersafe via plastic tips on male pins
- Unshielded connector system

APPLICATIONS

AC / DC inverter

DC / DC converter

HV battery

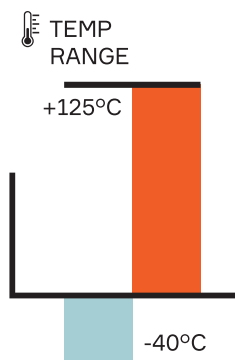
Power electric box

HV PDU

AVAILABLE CONFIGURATIONS

Connector Type	Wire-to-device
Cable Exit Orientation	180°
Cable Range (mm ²)	35 - 50 (power)
Terminal Type	8 mm round contact system
# of Power Terminals	1
Shielding	None
HVIL	None
Assembly Assurance	SPA
Number of Indexes	1

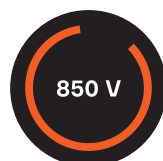
PERFORMANCE



MAX CURRENT
AT 85°C



MAX DC
VOLTAGE



VIBRATION
LEVEL



SEALING
CLASS



ELECTRICAL PROTECTION

IP2XB

* For classification V2
please consult an Aptiv
representative.

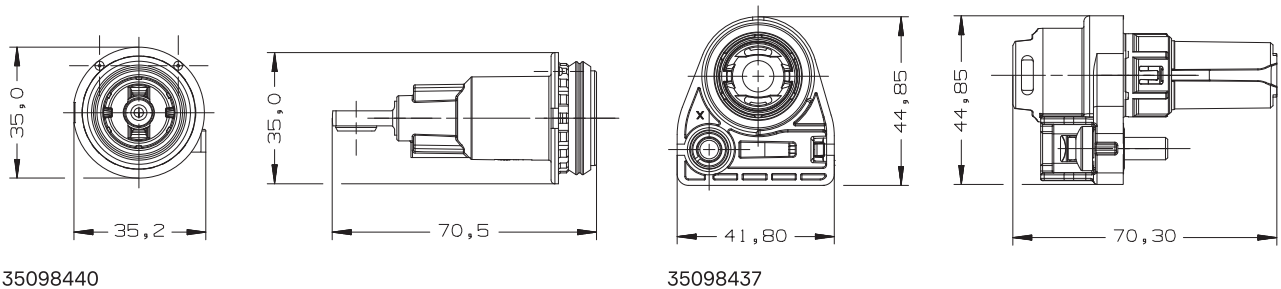
Header connector*	Mating connector	BOM
35098440	35098437	1

* Header connector is a fully assembled part and therefore has no associated parts.

ASSOCIATED PARTS

Part number	Description	BOM
Mating Connector		
13893887	RCS 800 female terminal 35 - 50 mm²	1
13893888	Female black single wire seal 35 mm²	1
13923559	Female grey single wire seal 50 mm²	
13893889	Retainer	1

DIMENSION MEASUREMENT SAMPLE



Part numbers, specifications, dimensions and performance data in this document are for general references only and are subject to change without notice. To verify product information, please contact an Aptiv representative.



HV RCS 800

DIRECT MATE 2 WAY



BENEFITS

- Cost effective solution with unshielded terminal holder within device replacing traditional shielded headers
- Unique and safe mating screwing with innovative Screw Position Assurance (SPA)
- Header is sealed in both mated and unmated position

FEATURES

- Robust bolt driven mate assist
- Fingersafe via plastic tips on male pins
- Cable range: ~ 50 mm² and smaller

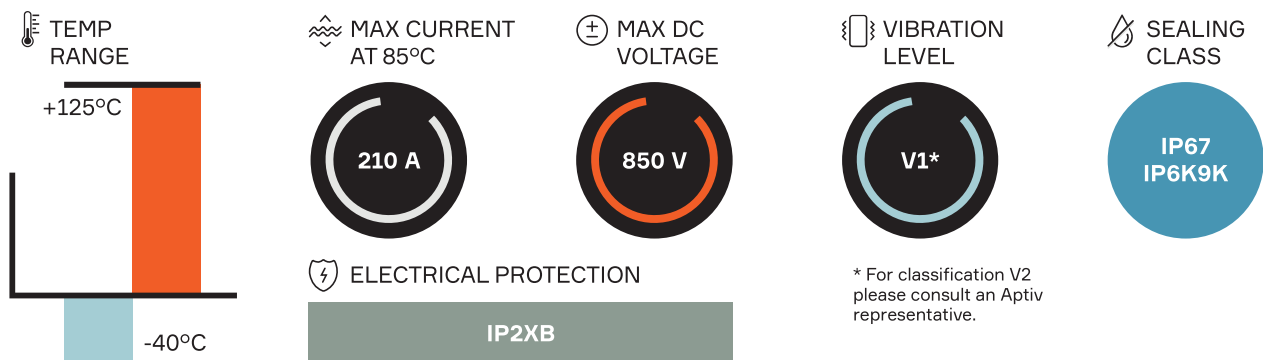
APPLICATIONS

AC / DC inverter
DC / DC converter
HV battery
Power electric box
HV PDU

AVAILABLE CONFIGURATIONS

Connector Type	Wire-to-device
Cable Exit Orientation	180°
Cable Range (mm ²)	35 - 50 (power) 0.35 - 1.0 (HVIL)
Terminal Type	8 mm round contact system
# of Power Terminals	2
Shielding	Individual
HVIL	Shunt on female
Assembly Assurance	SPA
Number of Indexes	1

PERFORMANCE



Header*	Header with HVIL**	Mating connector	BOM
35099885	35099880	35098453	1

* Header connector is a fully assembled part and therefore has no associated parts.
** Please contact your local Aptiv representative for serial production information.

ASSOCIATED PARTS

Part number	Description	BOM
Mating connector		
13893887	RCS 800 female terminal silver-plated 35 - 50 mm²	2
35082410	Inner ferrule 35 and 50 mm²	2
35082415	Outer ferrule 35 and 50 mm²	2
35099247	Single wire seal & retainer 35 mm²	2
35099248***	Single wire seal & retainer 50 mm²	
35092416	RCS800 tube 35 - 50 mm²	2

*** Available only by prototype, please contact your local Aptiv representative for more information on serial production.

DIMENSION MEASUREMENT SAMPLE

