

● PRODUCT PRESENTATION

SHIELDPACK™ HV RCS800 SI

2-WAY

SHIELDPACK™ HV RCS800 SI

Power Conversion

2 Way



Applications

- High voltage power conversion: Converter, E-Motor, HV-Battery

Manufacturing Site

- Epernon, France

Customer benefits

- Specifically developed for compact environment
- Slider solution offers the maximum pressure surface in limited space conditions
- Header connection on flat surface

Key features

- Sealing class: IP67 / IP69k
- Strain Relief Device ensures product performance in constrained environment
- Two-step un-mating to prevent from arcing

Technical Characteristics

Connector Type	Wire-to-Device
Cable Shielding	Individual
Cable Exit Orientation	Straight 180°
Cable Range	35 mm ² to 50 mm ²
HVIL	Shunt on harness connector
Assembly Assurance	CPA
Number of Indexes	2
Electrical protection	IP2XB

Performance

210A@85°C

1000V DC

Temperature T3

Vibration V1*

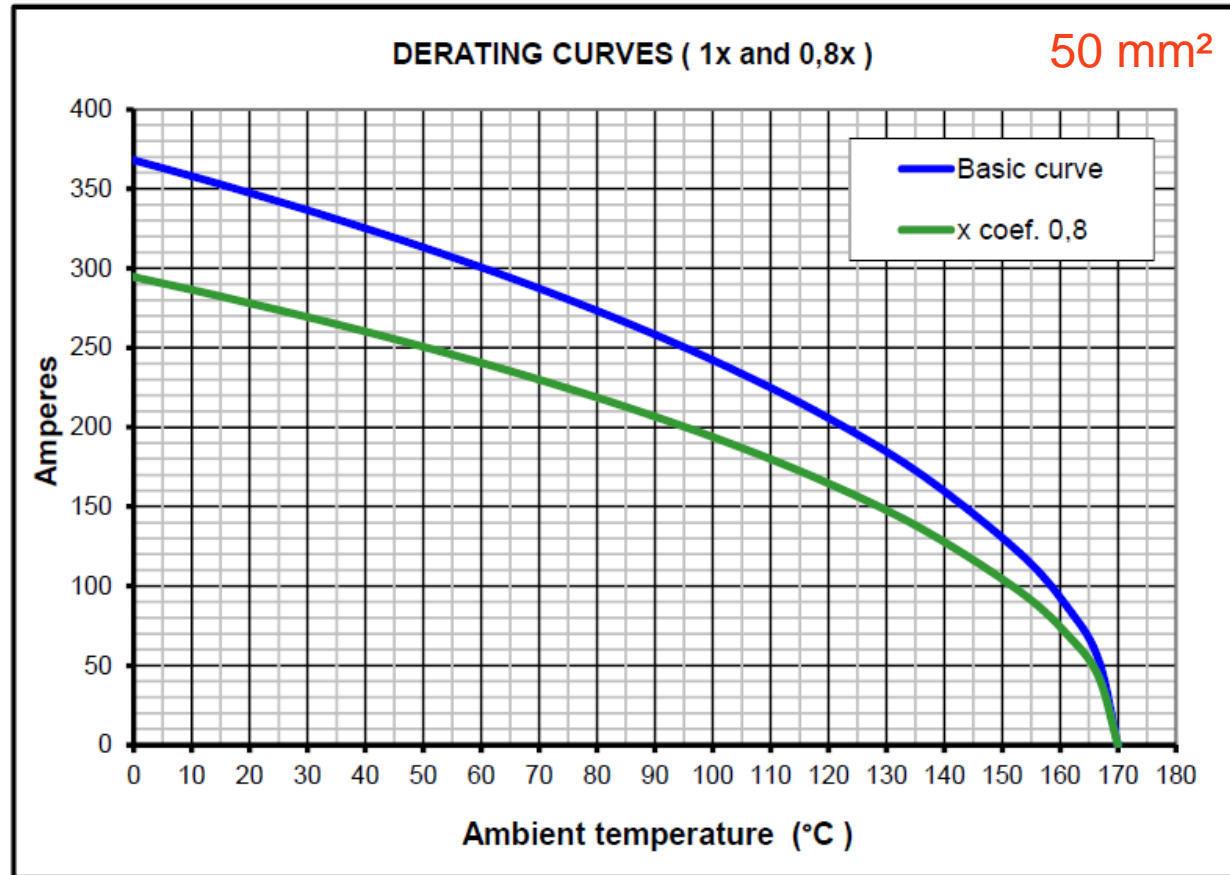
Sealing S3

* For V2 please contact Aptiv

Derating RCS 800

Tests performed with connector housing

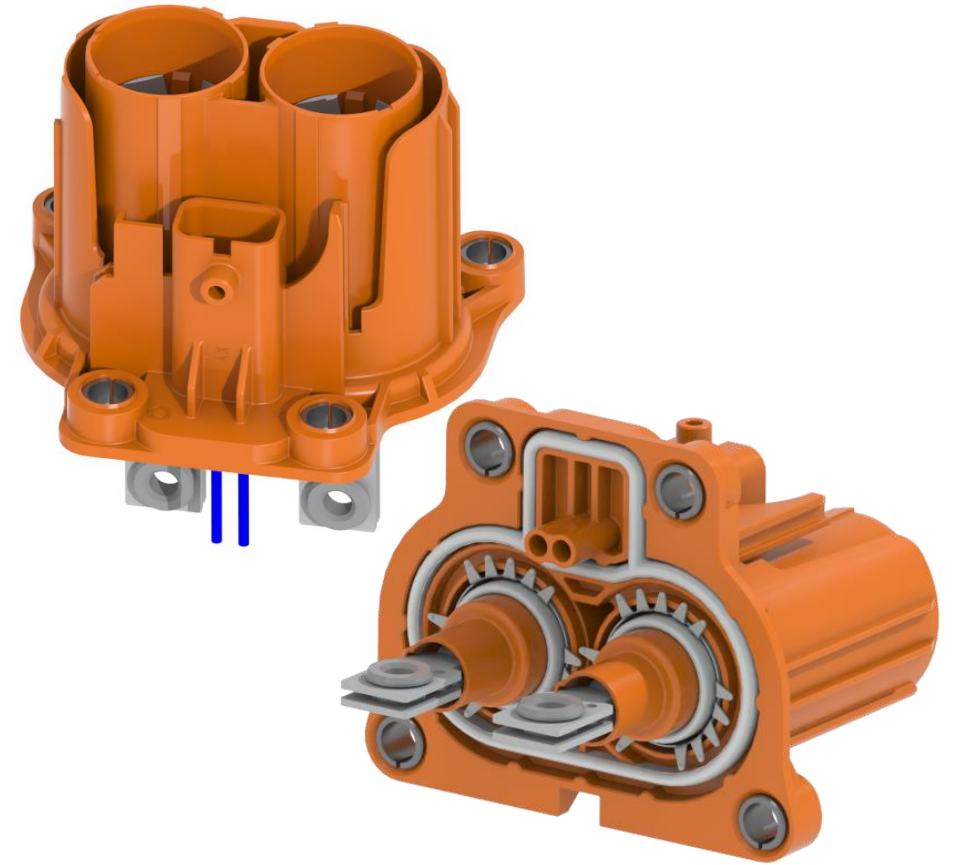
Current for 60K heating : 224,8 Amperes



Connector Views



Female Connector



Male Device Header

Available header configurations

Header alone
with HVIL connection to customize



Header connector

35707395

“Plug & play” header
with HVIL jumper



Header connector with
HVIL jumper

35638425

Product summary & associated part-numbers



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Header connector	Header connector with HVIL jumper	Mating connector	BOM
35707395	35638425	35638408	1

ASSOCIATED PARTS

Part number	Description	BOM
Header		
15549847	DSQ 1.5 female terminal silver-plated 0.35 - 0.50 mm ²	2
15549848	DSQ 1.5 female terminal silver-plated 0.75 - 1.00 mm ²	
15441379	DCS/DSQ 1.5 red single wire seal 0.22 - 0.5 mm ²	2
15441380	DCS/DSQ 1.5 red single wire seal 0.75 - 1.0 mm ²	
Mating connector		
13893887	RCS800 female terminal silver-plated 35 - 50 mm ²	2
35686181	Outer ferrule 35 mm ²	2
35638405	Outer ferrule 50 mm ²	
35628301	Inner ferrule 35 mm ²	2
35628300	Inner ferrule 50 mm ²	
35686164	Single wire seal 35 mm ²	2
35638394	Single wire seal 50 mm ²	
35682854	Cable strain relief 35 mm ²	1
35669835	Cable strain relief 50 mm ²	

SHIELDPACK™ HV RCS800 SI 2 way takeaways

- **Field-proven** RCS800 terminal system
- Individual shielding
- **Simple flat device** interface
- Unique **compact** slider design
- **Cost effective** stamped & rolled terminals for both male & female
- Possible header delivery with HVIL jumper for « **plug and play** » usage