

SHIELDPACK™

HV CTS280/630 SI SPLICE 4 WAY



BENEFITS

- Removes splices from the wiring harness and integrates splicing capabilities into connector
- No mechanical assist needed for mating

FEATURES

- Tool-less unmating system
- Finger proof/touch safe
- Panel mount to device with face seal
- Aluminum compression bushings
- Internal HVIL (shunted in harness connector)
- ISO cable compatible



AVAILABLE CONFIGURATIONS

Connector Type	Wire-to-device
Cable Exit Orientation	180°
Cable Range (mm ²)	3 - 5 (power) 0.5 - 0.75 (HVIL)
Terminal type	CTS 2.8(2) / 6.3(2)
# of Power Terminals	4
Shielding	Individual
HVIL	Shunt on female
Assembly Assurance	CPA
Number of Indexes	2

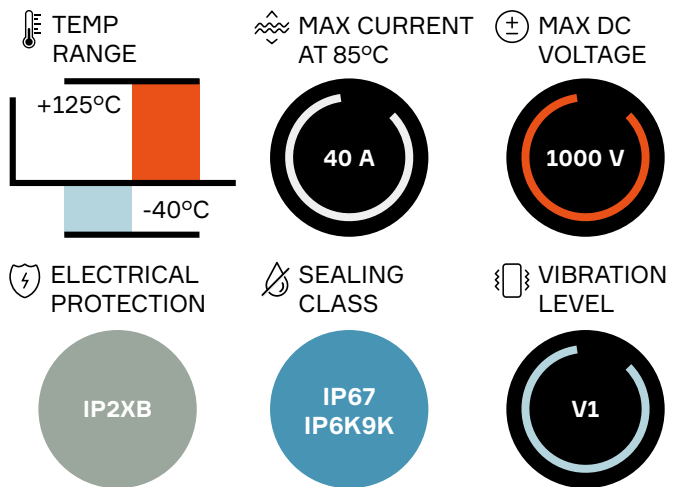


APPLICATIONS

Splicing accessory loads



PERFORMANCE



See back page for representative part numbers and packaging dimensions.

About Aptiv

Aptiv is a global technology company that develops safer, greener and more connected solutions enabling the future of mobility.

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Index	Header outer	Header inner connector	Mating connector	BOM
101	33300632	33311166	33300634	1
102	33300633	33311167	33300635	

ASSOCIATED PARTS

Part number	Description	BOM
Header		
13597855	MTS 0.64 HVIL female terminal 0.5 - 0.75 mm ²	2
33299800	630/280 male terminal 3 - 5 mm ²	2
33299799	TPA (Terminal Position Assurance)	2
Mating Connector		
13882331	CTS 2.8 female terminal 3 - 5 mm ²	2
13984302	CTS 6.3 female terminal 2.5 - 4 mm ²	2
13984307	CTS 6.3 female terminal 4 - 6 mm ²	
13737699	Inner ferrule 3 mm ² ISO cable	4
33292550	Inner ferrule 5 mm ² ISO cable	
13737702	Outer ferrule 3 mm ² ISO cable	4
33292551	Outer ferrule 5 mm ² ISO cable	
35072736	Female mat seal 3 mm ²	1
35072735	Female mat seal 5 mm ²	
35072739	Mat seal retainer 3 mm ²	1
35072738	Mat seal retainer 5 mm ²	

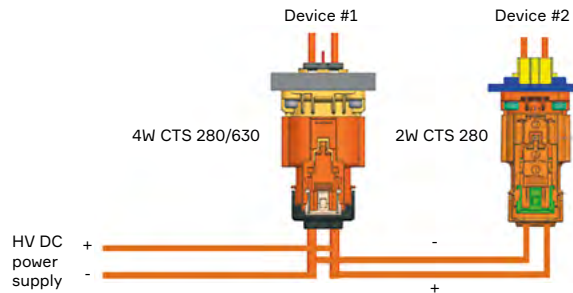
APPLICATION GUIDE

Power circuits shown, two sets of 2 in x 1 out



Terminal crimp wings are shown un-crimped.

Application Guide for Aptiv 4W CTS 630/280 Shielded Connection
Typical Application – * Load Current Guidance



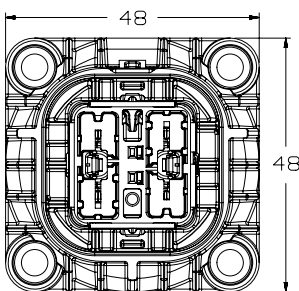
* Typical steady state currents with 5 mm² cable on all circuits

Input from DC power supply: 40 - 45 A
Current to Device #1: ≤ 40 A
Current to Device #2: ≤ 30 A

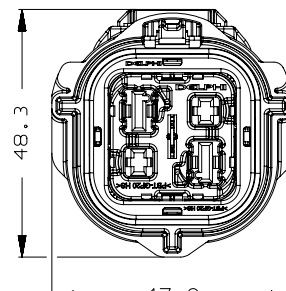
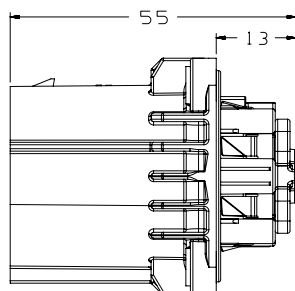
* Connector current ratings in vehicle applications will be affected by multiple factors including device heating, harness coverings, and device duty cycles. Please review application details with Aptiv Product Engineering for verification of current carrying capability.



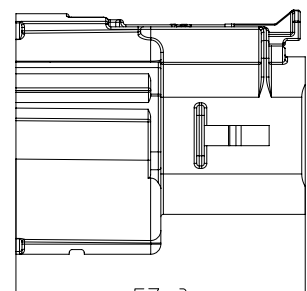
DIMENSION MEASUREMENT SAMPLE



33300632



33300634



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.

CS-SP78-HV-En0323

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