

1.5 mm SHS Harness Connectors

Products » 1.5 mm SHS Harness Connectors

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Features

18 and 30 position

- Interface to industry standard ModICE® and SHS header connectors
- Available in various color/keying configurations
- Push to Seat technology
- Integral secondary lock
- Protected grommet wire seal
- Threaded jackscrew mating

Materials

- Insulator: PPA 30% Glass Filled
- Grommet: Silicone
- RoHS Compliant

Electrical

- Current: 10 Amp @ 85°C
- Contact resistance: < 10 m Ω
- Insulation resistance: > 5000 m Ω @ 500VDC
- Dielectric Withstanding Voltage: 1000 VAC - No breakdown

Environmental

- Temperature: -40°C to +125°C
- Sealing: IP65, IP66, IP67, IP69
- Vibration/Shock: 10-2000-10 Hz, 15 g's for 24 hrs - 8 hrs each perpendicular axis
- Current Cycling: 500hrs at rated current (45 min ON - 15 Min OFF)
- Temperature Life Test: 1000 hrs @ 125°C - 1000 hrs @ 85°C with current applied
- Temperature / Humidity Cycling: 1000 hrs between -40°C and +125°C with relative humidity of 0 to 85%
- Salt Spray: 96 hrs @ 5% NaCl
- High Pressure Wash: 200°F steam / detergent spray at 200psig for 30 sec. - 100°F water / detergent spray at 750 psig for 30 sec.

Above performances with Cinch SHS Headers mated to Cinch SHS Harness Connectors.

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 Cinch earns recognition as a John Deere "Partner-level Supplier" for eighth consecutive year

 IVT International ModICE Article

 ModICE-SHS Brochure

SHS Harness Connector Part Numbers and PDF Drawings

Part Number	Drawing	Description	
425 00 00 872	PDF	Terminal	20 AWG GXL - 18AWG TXL
425 00 00 873	PDF	Terminal	18 AWG GXL - 16 AWG GXL& TXL
581 00 00 011	PDF	Seal Plug	
581 00 00 100	PDF	Backshell 30 Position	Black
581 00 00 101	PDF	Backshell 18 Position	Black
581 01 18 023	PDF	18 Position Connector	Black
581 01 18 024	PDF	18 Position Connector	Natural
581 01 30 027	PDF	30 Position Connector	Gray
581 01 30 028	PDF	30 Position Connector	Black
581 01 30 029	PDF	30 Position Connector	Black
581 01 30 030	PDF	30 Position Connector	Natural
581 01 30 031	PDF	30 Position Connector	Natural



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SHS Harness Connector - Assembly Instructions and Tooling

Part Number	Drawing	Description	
5991111615		Hand Crimp Tool	For 4250000872
5991111616		Hand Crimp Tool	For 4250000873
5991111621	PDF	Applicator	For 4250000872
5991111622	PDF	Applicator	For 4250000873
5991111623	PDF	Punch/Anvil kit	For 4250000872
5991111624	PDF	Punch/Anvil kit	For 4250000873
5991111628		Secondary Lock removal Tool (Tweezer)	For 18 and 30 pos. Connector
5810118920		Terminal Removal Tool	For 18 and 30 pos. Connector
	PDF	SHS Crimp Specification	
	PDF	SHS Assembly Instructions	

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