

Amphenol Automotive

Amphenol-Tuchel Electronics GmbH



14mm 90° POWERSOK® -2SC

C390 2J06 XH00 2001



Product Description

14mm 90° POWERSOK® -2SC

Belonging to the POWERSOK® family, this design is well-known for its possibility to have an automated manufacturing process, a small installation space paired with a high performance.

PRODUCT CHARACTERISTICS

Mating design	<ul style="list-style-type: none"> - Robust locking lever for low mating force - Lever position assurance (LPA)
Terminal system	<ul style="list-style-type: none"> - 2 x Ø 14,0mm Cu-Pin - Silver plated - 2 x 1,2mm HVIL contacts - Silver plated
Termination technology	- Ultrasonic welding process for power termination (Al/Cu possible)
General features	<ul style="list-style-type: none"> - Shielded cable cross section: 95mm²/ 70mm² - Metal shielded design for cable and interface - Tightness: IP6K7, IP6K9K - Connector supplied as kit (optional pig-tail) - Touch proof: IPxxB/ IPxxD

CONSTRUCTION

Housing material	PA 6 GF30 (V0)
Contact material	Cu ETP (silver plated)
Standard wire	2 x 95mm ² / 2 x 70mm ²
RFI/EMI protection	360° shielding
Touch protection cap	IPx7K available

PERFORMANCE CHARACTERISTICS

Vibration class	ISO 16750-3 Test VII+IX
Mating force	<50N
Current profile	350A @80°C
Voltage range	1000V
Temperature range	-40°C to +140°C

CONNECTOR INTERFACE

Ø 14,0mm RADSOK® contact system

Silver plated

Power contact pitch 28,8mm

HVIL contact pitch 2,5mm

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14mm 90° & 180° POWER-SOK[®]-2SC Header

C390 2H06 XH00 4001



PRODUCT CHARACTERISTICS

Mating design	- Screwed to interface (4 x M5)
Terminal system	- 2 x Ø 14,0mm Cu-Pin - Silver plated - 2 x 1,2mm HVIL contacts - Silver plated
Termination technology	- 2 x M6 bolts
General features	- Metal shielded design for cable and interface - Tightness: IP6K7, IP6K9K - Header supplied as kit. Connection to customer application variable - Touch proof: IPxxB/ IPxxD

CONSTRUCTION

Housing material	PBT-GF25
Contact material	copper/ copper alloy (silver plated)
Busbars according to specification	
RFI/EMI protection	Radial metal shield 360°
Temperature sensor	Optional

PERFORMANCE CHARACTERISTICS

Vibration class	ISO 16750-3 Test VII+IX
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CONNECTOR INTERFACE

Ø 14,0mm RADSOK® contact system

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HVIL contact pitch 2,5mm