

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

## CONSTRUCTION

Housing material	PA 6 GF30 (V0)
Contact material	Cu ETP (silver plated)
Standard wire	2 x 95mm <sup>2</sup> / 2 x 70mm <sup>2</sup>
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