

# Amphenol Automotive

Amphenol-Tuchel Electronics GmbH



14mm 90° POWERSOK® -2SC

C390 2J06 XH00 2001



## Product Description

14mm 90° POWERSOK<sup>®</sup> -2SC

Belonging to the POWERSOK<sup>®</sup> 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: IP67, IP6K9K</li> <li>- Connector supplied as kit (optional pig-tail)</li> <li>- Touch proof: IPxxB/ IPxxD</li> </ul>

## CONSTRUCTION

Housing material	PBT-GF25 (V0)
Contact material	Cu (silver plated)
Standard wire	2 x 95mm <sup>2</sup> / 2 x 70mm <sup>2</sup>
RFI/EMI protection	360° shielding
Touch protection cap	IP6KX available

## PERFORMANCE CHARACTERISTICS

Vibration class	ISO 16750-3 Test VII+IX		
Mating force	<75N		
Current profile	<b>Cu</b>		<b>Alu</b>
	70mm <sup>2</sup>	95mm <sup>2</sup>	95mm <sup>2</sup>
	340A @ 80°C	384A @ 80°C	314A @ 80°C
Voltage range	1000V		
Temperature range	-40°C to +140°C		

## CONNECTOR INTERFACE

Ø 14,0mm RADSOK<sup>®</sup> contact system

Silver plated

Power contact pitch 28,8mm

HVIL contact pitch 2,5mm

## DIMENSIONS

