

Amphenol Automotive

Amphenol-Tuchel Electronics GmbH



8mm 90° POWERSOK® -2SC

C390 2108 UXXX 2001



Product Description

8mm 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 8,0mm Cu-Pin; silver plated - 2 x 1,2mm HVIL contacts; silver plated
Termination technology	<ul style="list-style-type: none"> - Ultrasonic welding process for power termination (Al/Cu possible)
General features	<ul style="list-style-type: none"> - Shielded cable cross section: 50mm²/35mm²/25mm² - Metal shielded design for cable and interface - Tightness: IP6K7, IP6K9K - Connector supplied as kit (optional pig-tail) - Touch proof: IPxxB/IPxxD

CONSTRUCTION

Housing material	PBT GF25
Contact material	Cu ETP (silver plated)
Standard wire	2 x 50mm ² / 2 x 35mm ² / 2 x 25mm 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	260A @80°C
Voltage range	1000V
Temperature range	-40°C to +140°C

CONNECTOR INTERFACE

Ø 8,0mm RADSOK® contact system

Silver plated

Power contact pitch 23,0mm

HVIL contact pitch 2,5mm