

Amphenol Automotive

Amphenol-Tuchel Electronics GmbH



14mm RADSOK® - C390 - R8S

N02 140 7901 002



Product Description

14mm RADSOK® - C390 - R8S

A contact grid made of a beryllium-free copper alloy.

Its feature is a radially twisted lamella layout for self-cleaning with an outstanding contact resistance.

PRODUCT CHARACTERISTICS

General Features

- Symmetric socket contact for automotive and industry applications
- Several applications in 14mm contact systems (e.g. pressed in a crimp holder, welded on a busbar,...)
- Self-cleaning effect due to a grid twist of 4°
- Very good electrical properties

Production technology

Stamping/bending

CONSTRUCTION

Sleeve material

Cu-FEP - Sn plated

Grid material

Copper alloy - silver plated

PERFORMANCE CHARACTERISTICS

Current profiles (crimped)

Current profile (85°C)	435A at 120mm ²
Current profile (105°C)	375A at 120mm ²
Current profile (125°C)	325A at 120mm ²
Voltage range	>1000V
Contamination limits	optional
Contact resistance	~0,035mΩ
Mating cycles	>50
Temperature range	-40°C to +180°C

DIMENSIONAL CHARACTERISTICS

Description	Single contact	Tolerances
Length	25,0mm	± 0,1mm
Diameter	18,65mm	± 0,2mm

