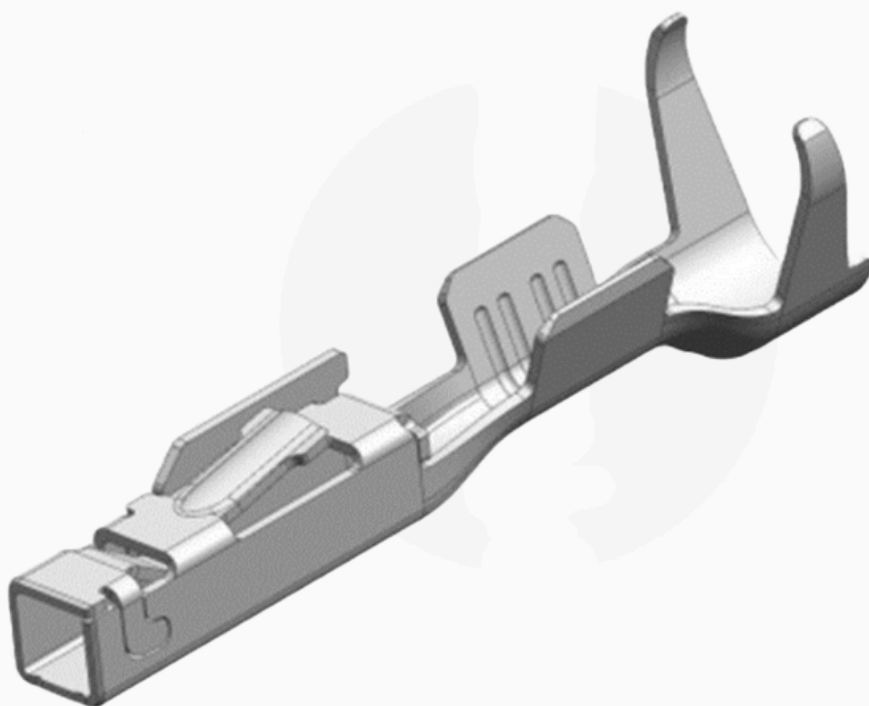


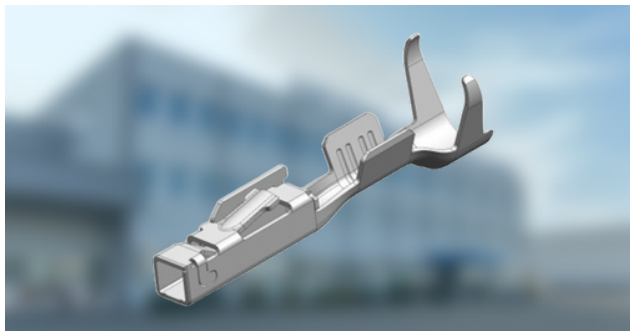
# Amphenol Automotive

Amphenol-Tuchel Electronics GmbH



**1,2 AFK - Receptable Terminal**

N 02 006 022X XXX



## PRODUCT CHARACTERISTICS

### General Features

- Receptacle terminal for applications in Automotive
- Unique one-piece design
- High vibration characteristics in spite of one-piece design
- Very good electrical properties
- Validated according LV 214

## CONSTRUCTION

|                                 |                                                                                                                             |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Contact material                | <ul style="list-style-type: none"> <li>- CuNiSiMg</li> <li>- Sn and Ag plated</li> </ul>                                    |
| Gender                          | Female                                                                                                                      |
| Sealing options                 | Unsealed, single wire seal                                                                                                  |
| Compatible to contact chambers: | <ul style="list-style-type: none"> <li>- VW WSK 013 070 DO (with EAD)</li> <li>- VW WSK 013 070 CQ (without EAD)</li> </ul> |

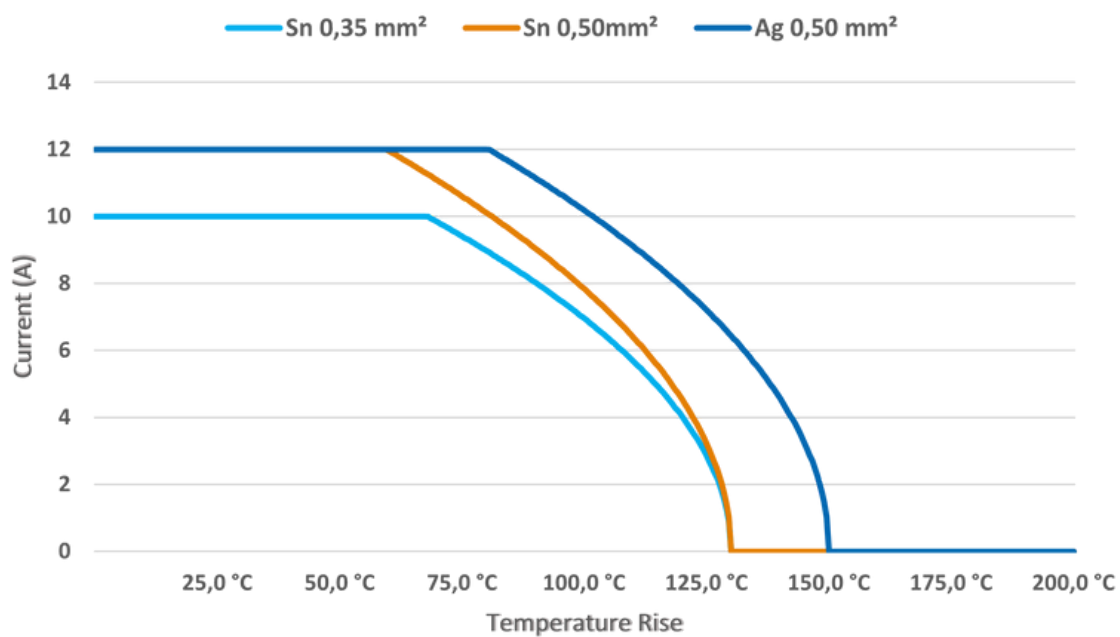
## PERFORMANCE CHARACTERISTICS

|                        |                 |
|------------------------|-----------------|
| Contact resistance     | 1.6 mOhm        |
| Contact mating force   | 4.0N            |
| Contact unmating force | 2.5N            |
| Mating cycles          | 20(Sn) / 50(Ag) |
| Max. temperature       | 150°            |
| Max current (21°C)     | 14,2A           |
| Max current (80°C)     | 9,8A            |

## PRODUCT VARIATIONS

| Part Number       | Sealing          | Gender | Plating | Wire size (mm <sup>2</sup> ) |
|-------------------|------------------|--------|---------|------------------------------|
| N 02 006 0222 10x | Unsealed         | F      | Sn, Ag  | 0,35                         |
| N 02 006 0224 10x | Unsealed         | F      | Sn, Ag  | 0,5                          |
| N 02 006 0223 10x | Single wire seal | F      | Sn, Ag  | 0,35                         |
| N 02 006 0225 10x | Single wire seal | F      | Sn, Ag  | 0,5                          |

## DERATING CURVE



## MAXIMUM TEMPERATURE

