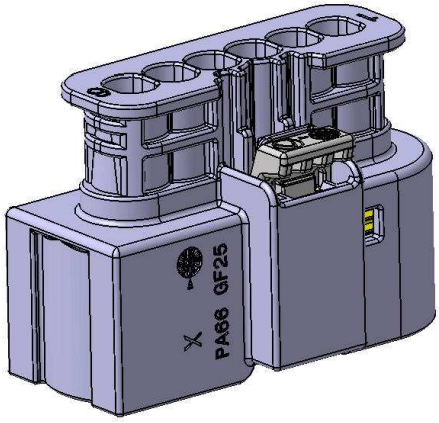
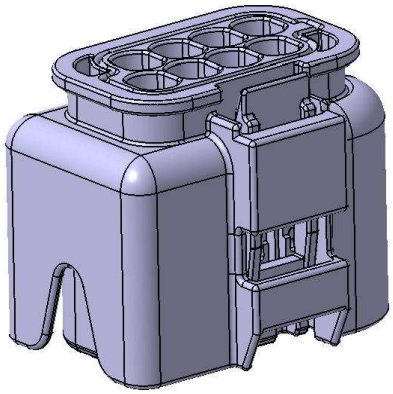
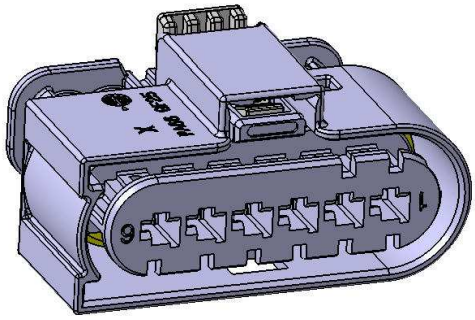
HIRSCHMANN
AUTOMOTIVE

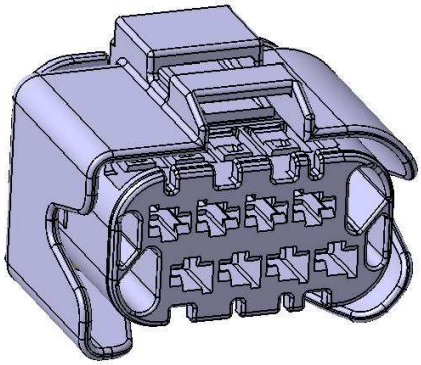
Product Specification

SealStar 2.8 Housing









EPS-100024-00
Version 00

Hirschmann Automotive GmbH
Oberer Paspelsweg 6-8
A-6830 Rankweil
Tel. +43 5522 / 307-0
Fax +43 5522 / 307-552

HIRSCHMANN AUTOMOTIVE

1. Index

1. Index 2

2. General Information 3

2.1. Introduction 3
2.2. Applying relevant Information / Documentation 3

3. Technical Characteristics 4

3.1. Operating Temperature 4
3.2. Tightness of SealStar 2.8 Housing 4
3.3. Retention Forces of SLK Contacts into the SealStar 2.8 Housing 4
3.4. Mounting and Demounting Forces 4
3.5. Characteristic of Contact System 4

4. Delivery Condition / Product Components 5

5. Executed Tests 6

6. Index change table 6

2. General Information

2.1. Introduction

This product specification is valid for SealStar 2.8 Housings and describes the product components and delivery condition, the technical data as well as executed quality tests.

In case of inappropriate deviating application and subsequent quality problems the right of recourse will be rejected.

2.2. Applying relevant Information / Documentation

a)	Processing Specification EVS-100009-00	SealStar 2.8 Housing
b)	Product Specification Kostal 1 00 10 52535 1	Sensor lamina contacts SLK 2.8
c)	Processing Specification Kostal DOC 00074173	Sensor lamina contacts SLK 2.8
d)	„Deutsche Norm“ DIN EN 60352-2	Solder free electrical connection Part 2: crimp connection
e)	Working Committee guideline Edition 1 04-96	Test guideline for Motor Vehicle connectors
f)	SLK 2,8 Terminal DOC00043218	Kostal terminal drawing

3. Technical Characteristics

3.1. Operating Temperature

Built-in space: Engine category

Permitted temperature of the plastic:

-40°C up to +150°C over a period of 3000h,
short time permitted temperature max. over 1 period of 300h
see plastic datasheet.

3.2. Tightness of SealStar 2.8 Housing

When using SLK contacts with seal: **IP6K9K**
The single wire seal must not be exposed unprotected to the steam jet.

To guarantee the required tightness of the system it is absolutely necessary to use all contacts with corresponding seal and in case of reduced contact assembly to close the open chambers with a single wire dummy plug.

3.3. Retention Forces of SLK Contacts into the SealStar 2.8 Housing

The contact tear forces are:	P_{rimary}	≥ 80N
	$S_{econdary}$	≥ 60N

3.4. Mounting and Demounting Forces

Max. mounting force of SealStar 2.8 Housing into unit connection / male housing:	80N
Max. demounting force of SealStar 2.8 Housing from unit connection / male housing:	80N
Min. retention force of SealStar 2.8 Housing in unit connection / male housing:	150N
Min. / max. mounting force of CPA from pre-engaged to locked	10N / 50N
Min. / max. demounting force of CPA from locked to pre-engaged position	10N / 50N

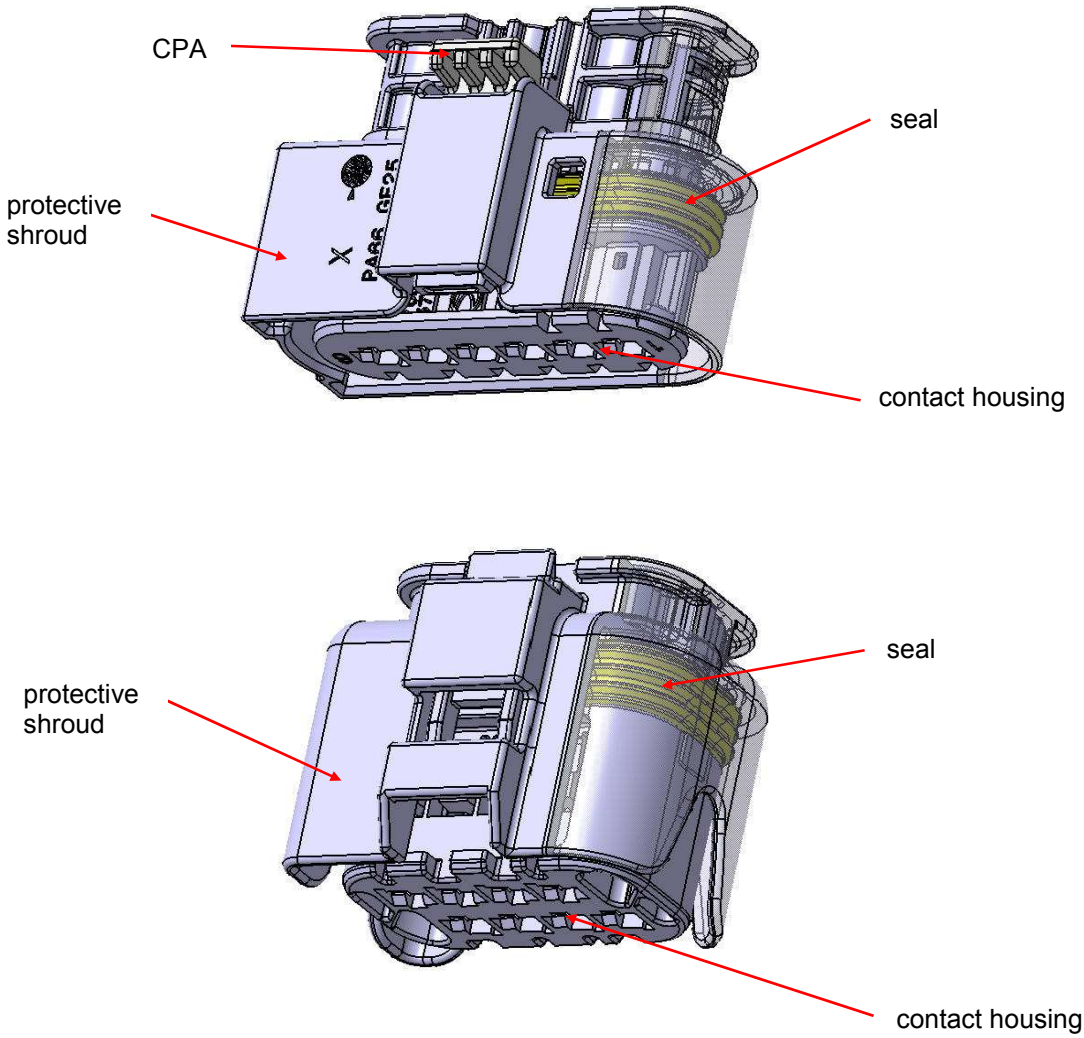
3.5. Characteristic of Contact System

Max. permitted conductor cross section: 2.5mm² with seal

4. Delivery Condition / Product Components

The SealStar 2.8 Housings, consisting of contact housing, seal, additional protective shroud and optional with a CPA is being delivered in assembled condition, with pre-engaged CPA.

In delivery status the catching mechanism at the SealStar 2.8 Housing with CPA is not active.



5. Executed Tests

Tests According to Working Committee Test Guideline! Contact specific test see Kostal Product Specification 1 00 10 52535 1	
PG 0	**Receiving inspection and testing**
PG 1	**Dimensions**
PG 3	**Material and surface analysis, housings**
PG 4	**Contact overlap**
PG 6	**Interaction between contact and housing**
PG 7	**Handling and function safety of connector housing**
PG 8	**Assembling and disassembling forces of contacts**
PG 17A	**Dynamic stress**
PG 21C	**Long term temperature storage**
PG 22B	**Chemical durability, extended testing**
PG 23	**Water tightness**

Product specific variations see DVP – overview!

6. Index change table

Edition	Index	Editing
00	First edition	Kiechle