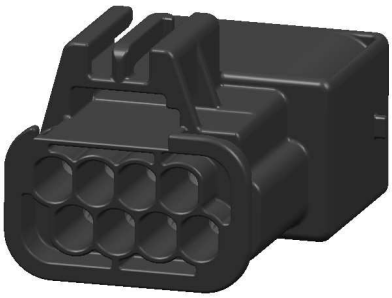
HIRSCHMANN
AUTOMOTIVE

Product Specification

Sealstar 2.8 male housing



EPS-100028-02
Version 00

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1. Index

2. General Information

2.1. Introduction

This product specification is valid for all Sealstar 2.8 male housings and includes the product components, the delivery status, technical features as well as the quality tests.

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

2.2. Applying relevant Information/Documentation

a)	Processing Specification	EVS-100004-02
b)	Product Specification Kostal 1 00 10 52535 0	Sensor lamina contacts SLK 2.8
c)	Processing Specification Kostal DOC00074173	Sensor lamina contacts SLK 2.8
d)	“Deutsche Norm” DIN EN 60352-2	Solder free electrical connection Part 2: crimp connection
e)	Test Guideline GS 95006-7	Wire harness in motor vehicle Connector

3. Technical Characteristics

3.1. Operating Temperature

Built-in space : Engine category

Allowed temperature range for the plastic material.

Operating temperature: -40°C up to +130°C for a time range of 3000h.
Can withstand exposure up to 150°C at intermittent periods and up to a total of max. 300 hours.
See plastic material data sheet.

Functionality see DVP.

3.2. Tightness of the Sealstar 2.8 male housing

When using 1.2 Contacts with seal: **IPX9K**
The single wire seal must not be exposed unprotected to the steam jet.

3.3. Retention Force of Contacts from the Sealstar 2.8 male housing

The contact tear forces from the male housing are
$F_{Primary} \geq 80N$ and $F_{Secondary} \geq 60$ N

3.4. Mounting and Demounting Forces

Max. assembling force from the female housing to the male housing	80N
Max. disassembling force from the female housing out of the male housing	80N
Min. holding force from the female housing to the male housing	150N

3.5. Characteristic of Contact System

Max. permitted conductor cross section: 2.5mm² with seal
Max. contact insertion force, cross section 2.5m²: 45N

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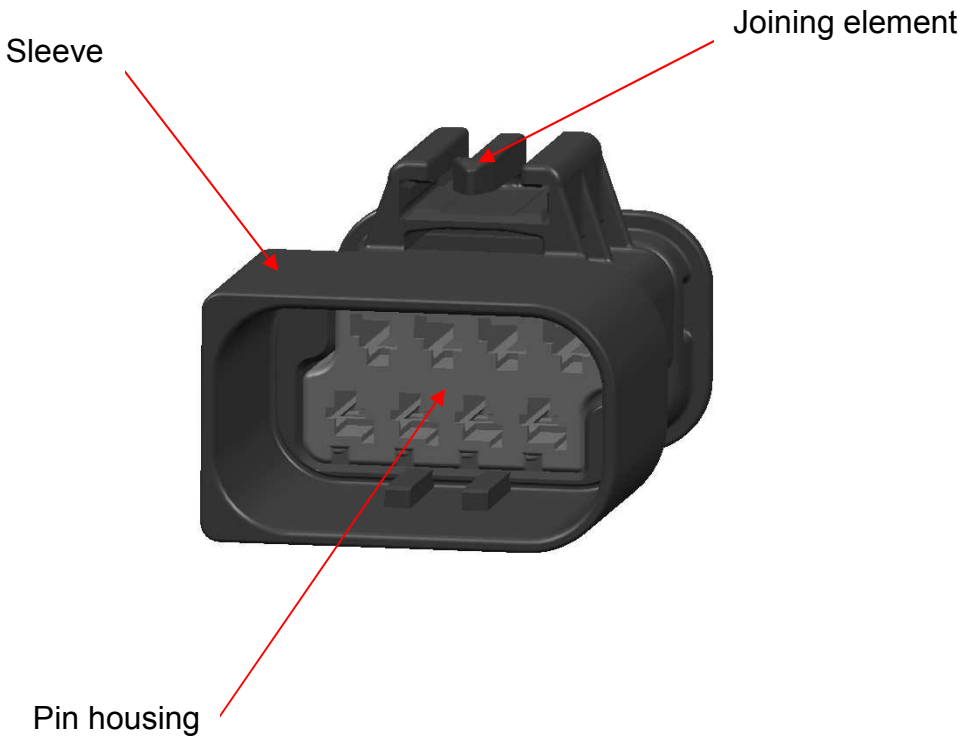
4. Delivery Condition / Product Components

The Sealstar 2.8 male housing consists of a pin housing and a sleeve.



5. Executed Tests

Tests according to GS 95006-7 wire harness in motor vehicle! Tests according the SLK contact are mentioned in the Kostal-Productspecification.	
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 functional reliability of the housings**
PG 8	**Insertion and retention forces of the contacts**
PG 17A	**Dynamic stress**
PG 21A	**Long-term temperature storage**
PG 22	**Resistance to chemicals**
PG 23	**Water tightness**

Product specific deviations are shown in the particular DVP-overviews.

6. Index change table

Edition	Index	Editing
00	First edition	Denz