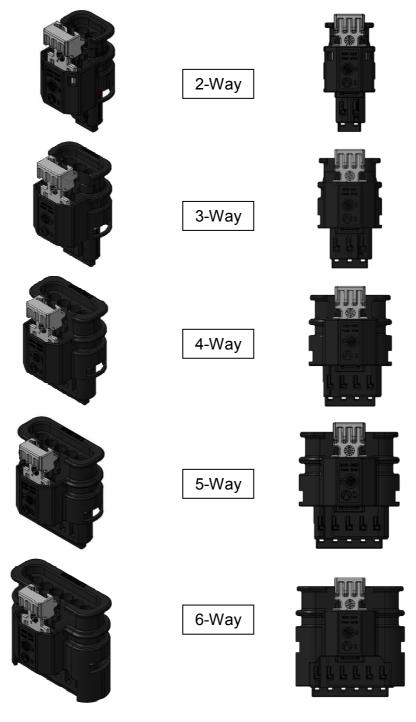


Product Specification1.2 HMK Female Housings



EPS-100059-00 Edition 02

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

EPS-100059-00



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2. General Information

2.1. Introduction

This processing specification is valid for all 1.2 HMK housings and describes the delivery conditions, 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-100059-00	HMK 1.2mm female housings
b)	Processing Specification EPS-100014-00	1.2 Seal Star male housings
c)	Product Specification EPS-100062-00	HMK 1.2mm contacts
d)	Processing Specification EVS-100062-00	HMK 1.2mm contacts
e)	"Deutsche Norm" DIN EN 60352-2	solderfree electrical connection part 2: crimp connection
f)	Test guideline LV-214 (2010-05)	Motor vehicle connectors

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3. Technical Characteristics

3.1. Operating Temperature

built-in space: Engine category operating temperature: -40°C up to +130°C

can withstand exposure up to 150°C at intermittent

periods and up to a total of max. 10 hours

3.2. Tightness of Socket and Plug Housing

When using 1.2 Contacts with seal: **IP X9K**

The single wire seal must not be exposed unprotected to the steam jet.

3.3. Retention Force of Contacts in Connector Housing

The contact tear forces joint primary- and secondary locking mechanism ≥ 55N

3.4. Mounting and Demounting Forces

Max. mounting force of socket housing up to 3-pin into unit male connector:

Max. mounting force of socket housing up to 5-pin into unit male connector:

Max. mounting force of socket housing up to 6-pin into unit male connector:

105N

Min. retention force of female housing in 2- and 3-pin male housing (CPA shut): 60N Min. retention force of female housing in 4- to 6-pin male housing (CPA shut): 80N

Min. / max. mounting force of CPA from pre-engaged to locked position
Min. / max. demounting force of CPA from locked to pre-engaged position
Min. CPA-Efficiency against incorrect actuation and damaging

10N - 50N
10N - 50N
80N

3.5. Characteristic of Contact System

Max. permitted conductor cross section: 1mm² with seal

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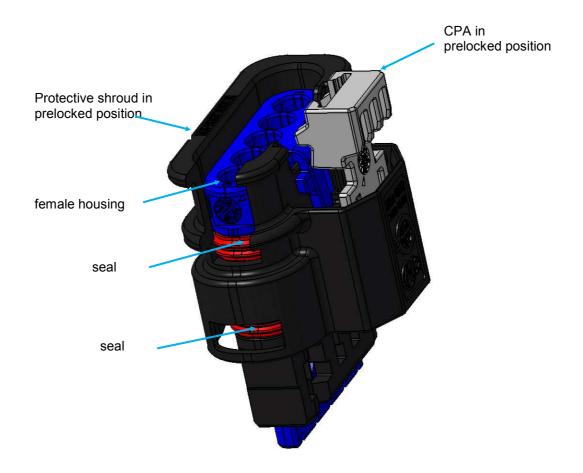


4. Delivery Condition / Product Components

4.1. Delivery Condition

The waterproof running housing consists of female housing, protective shroud, seals and CPA.

The housing will be delivered in the assembled condition, with the protevtive shroud and the CPA in prelock position.



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5. Executed Tests

Tests according to LV-214 (2010-03) Working Committee Test Guidline for motor vehicle connectors. Tests according contacts are mentioned in the					
PG 0	Contact Manufacturer-Productspecification PG 0 Receiving inspection and testing				
PG 1	Dimensions				
PG 3	Material and surface analysis, housing				
PG 4	Contact overlap				
PG 6	Interaction between contact and housing				
PG 7	Handling and functional reliability housing				
PG 8	Assembling and disassembling forces of contacts				
PG13	Housing effect on derating				
PG 17	Dynamic load				
PG 20	Climatic load of housing				
PG 21	Long Term temperature aging				
PG 22A	Chemical resistance				
PG 22B	Chemical resistance, extended test				
PG 23	Water leak tightness				
PG28	Locking noise				
PG29	Retention force of the blind plugs				
	Failure locking force				

Product-specific variations are given in the relevant DVP overview! Not all the release tests were performed for all pole numbers realised!

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6. Index change table

Edition	Index	Editing
00	First edition.	Klocker
01	3.4 CPA-Efficiency added	Kalb
02	3.4 subsection two added	Pfeiffer