

1.2 SealStar HMK F Connector

Characteristics

The variable housings withstand high thermal and dynamic loads. Furthermore, they have a variety of Others positive features:

- » compliant with test specification LV214
- » watertight according to IPx8/IPx9K
- » single-wire sealing and robust radial sealing
- » CPA (Connector Position Assurance)
- » convenient and secure connection with audible feedback of detent function
- » completely pre-assembled product
- » maximum vibration resistance thanks to a high level of contact normal force (highest verified profile: SG6 up to max. 80 g)
- » compatible with existing plug socket interface AK 1.2 interface 872-975...00
- » patented Hirschmann Automotive solution (two-step plug-in process)
- » primary and secondary locking
- » compatible with existing AK 1.2 interface (872-975-...AK)

2way 1.2 SealStar HMK F CPA

PRODUCT NO.	806-026-...
TYPE OF PRODUCT	housing for female terminal (F)
PRODUCT SPECIFICATION	EPS-100059-00
PROCESS SPECIFICATION	EVS-100059-00



TECHNICAL PRODUCT INFORMATION

TERMINAL BLADE SIZE	1.2 mm
NUMBER OF PINS	2way
CENTERLINE OF TERMINALS (Pitch)	4.0 mm
WIRE SIZE RANGE	max. 1.0 mm ²
SEALED APPLICATION	sealed
CODING OF PRODUCT	available
MAX. MATING AND UNMATING FORCE	≤ 75 N
VOLTAGE CLASS	≤ 60 V
NUMBER OF TERMINAL ROWS	1 row
CPA (Connector Position Assurance)	with CPA
TPA (Terminal Position Assurance/Secondary Lock)	with TPA
TYPE OF COMPATIBLE TERMINAL (Primary Lock)	Locking Lance (LL)
CONTACT CARRIER MATERIAL	PA66 GF35
WEIGHT OF CONNECTOR (Delivery Condition)	3.9 g

MATING PARTS & ACCESSOIRES

MATING HIRSCHMANN AUTOMOTIVE PRODUCTS	Connector: 809-555-... / 809-604-... Protective Cap: 707-130-501 (180°) / 707-131-501 (90°)
COMPATIBLE TERMINAL SYSTEM	Hirschmann Automotive HMK 1.2: 709-125-..00 (drawing)
CAVITY PLUG DIAMETER (ELA & ELB)	Ø 3.55 mm connector cavity
<i>No distribution via Hirschmann Automotive. Please contact supplier directly.</i>	Kostal: SWS is given on Hirschmann Automotive terminal drawing

VALIDATION STATUS

PRODUCT SUBGROUP VALIDATION STATUS (Benchmark)	LV214: TK4 ¹ /SG6 USCAR2: S2 v S3 ² IP-Code: IPx8 / IPx9K ²
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INTERFACE DESCRIPTION OF THE CONNECTOR

MATING PLUG SOCKET INTERFACE DRAWING	872-975-...00
MATING USCAR PLUG SOCKET INTERFACE DRAWING	120-S-002-1-Z01

PACKAGING FEATURES

PACKAGING SIZE	600 x 400 x 140 mm
PACKAGING QUANTITY	2,000 pcs
PACKAGING WEIGHT	8.4 kg
PACKAGING TYPE	bulk material

ORDER/PRODUCT NO.

ORDER/ PRODUCT NO.	CODING	CONTACT CARRIER COLOR	FEATURE AND ADDITIONAL INFORMATION
806-026-541	A	black	-
806-026-542	B	nature	-

Downloads

- ▶ PRODUCT SPECIFICATION
- ▶ PROCESS SPECIFICATION
- ▶ INTERFACE DRAWING
- ▶ PRODUCT DRAWING

¹ Tested with the temperature collective from LV124

² Protective Cap recommended

3way 1.2 SealStar HMK F CPA

PRODUCT NO.	806-881-...
TYPE OF PRODUCT	housing for female terminal (F)
PRODUCT SPECIFICATION	EPS-100059-00
PROCESS SPECIFICATION	EVS-100059-00



TECHNICAL PRODUCT INFORMATION

TERMINAL BLADE SIZE	1.2 mm
NUMBER OF PINS	3way
CENTERLINE OF TERMINALS (Pitch)	4.0 mm
WIRE SIZE RANGE	max. 1.0 mm ²
SEALED APPLICATION	sealed
CODING OF PRODUCT	available
MAX. MATING AND UNMATING FORCE	≤ 75 N
VOLTAGE CLASS	≤ 60 V
NUMBER OF TERMINAL ROWS	1 row
CPA (Connector Position Assurance)	with CPA
TPA (Terminal Position Assurance/Secondary Lock)	with TPA
TYPE OF COMPATIBLE TERMINAL (Primary Lock)	Locking Lance (LL)
CONTACT CARRIER MATERIAL	PA66 GF35
WEIGHT OF CONNECTOR (Delivery Condition)	4.7 g

MATING PARTS & ACCESSOIRES

MATING HIRSCHMANN AUTOMOTIVE PRODUCTS	Connector: 809-556-... Protective Cap: 707-132-501 (180°) / 707-133-501 (90°)
COMPATIBLE TERMINAL SYSTEM	Hirschmann Automotive HMK 1.2: 709-125-...00 (drawing)
CAVITY PLUG DIAMETER (ELA & ELB)	Ø 3.55 mm connector cavity
<i>No distribution via Hirschmann Automotive. Please contact supplier directly.</i>	Kostal: SWS is given on Hirschmann Automotive terminal drawing

VALIDATION STATUS

PRODUCT SUBGROUP VALIDATION STATUS (Benchmark)	LV214: TK4 ¹ /SG6 USCAR2: S2 v S3 ² IP-Code: IPx8 / IPx9K ²
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INTERFACE DESCRIPTION OF THE CONNECTOR

MATING PLUG SOCKET INTERFACE DRAWING	872-975-...00
MATING USCAR PLUG SOCKET INTERFACE DRAWING	120-S-002-1-Z01

PACKAGING FEATURES

PACKAGING SIZE	600 x 400 x 140 mm
PACKAGING QUANTITY	1,500 pcs
PACKAGING WEIGHT	8.0 kg
PACKAGING TYPE	bulk material

ORDER/PRODUCT NO.

ORDER/ PRODUCT NO.	CODING	CONTACT CARRIER COLOR	FEATURE AND ADDITIONAL INFORMATION
806-881-541	A	black	-

Downloads

- ▶ PRODUCT SPECIFICATION
- ▶ PROCESS SPECIFICATION
- ▶ INTERFACE DRAWING
- ▶ PRODUCT DRAWING

¹ Tested with the temperature collective from LV124

² Protective Cap recommended

4way 1.2 SealStar HMK F CPA

PRODUCT NO.	806-880-...
TYPE OF PRODUCT	housing for female terminal (F)
PRODUCT SPECIFICATION	EPS-100059-00
PROCESS SPECIFICATION	EVS-100059-00



TECHNICAL PRODUCT INFORMATION

TERMINAL BLADE SIZE	1.2 mm
NUMBER OF PINS	4way
CENTERLINE OF TERMINALS (Pitch)	4.0 mm
WIRE SIZE RANGE	max. 1.0 mm ²
SEALED APPLICATION	sealed
CODING OF PRODUCT	available
MAX. MATING AND UNMATING FORCE	≤ 85 N
VOLTAGE CLASS	≤ 60 V
NUMBER OF TERMINAL ROWS	1 row
CPA (Connector Position Assurance)	with CPA
TPA (Terminal Position Assurance/Secondary Lock)	with TPA
TYPE OF COMPATIBLE TERMINAL (Primary Lock)	Locking Lance (LL)
CONTACT CARRIER MATERIAL	PA66 GF35
WEIGHT OF CONNECTOR (Delivery Condition)	4.9 g

MATING PARTS & ACCESSOIRES

MATING HIRSCHMANN AUTOMOTIVE PRODUCTS	Connector: 809-557-... Protective Cap: 707-134-501 (180°) / 707-135-501 (90°)
COMPATIBLE TERMINAL SYSTEM	Hirschmann Automotive HMK 1.2: 709-125-...00 (drawing)
CAVITY PLUG DIAMETER (ELA & ELB)	Ø 3.55 mm connector cavity
<i>No distribution via Hirschmann Automotive. Please contact supplier directly.</i>	Kostal: SWS is given on Hirschmann Automotive terminal drawing

VALIDATION STATUS

PRODUCT SUBGROUP VALIDATION STATUS (Benchmark)	LV214: TK4 ¹ /SG6 USCAR2: S2 v S3 ² IP-Code: IPx8 / IPx9K ²
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INTERFACE DESCRIPTION OF THE CONNECTOR

MATING PLUG SOCKET INTERFACE DRAWING	872-975-...00
MATING USCAR PLUG SOCKET INTERFACE DRAWING	120-S-004-1-Z01 Rev E

PACKAGING FEATURES

PACKAGING SIZE	600 x 400 x 120 mm
PACKAGING QUANTITY	2,000 pcs
PACKAGING WEIGHT	13.6 kg
PACKAGING TYPE	bulk material

ORDER/PRODUCT NO.

ORDER/ PRODUCT NO.	CODING	CONTACT CARRIER COLOR	FEATURE AND ADDITIONAL INFORMATION
806-880-541	A	black	-

Downloads

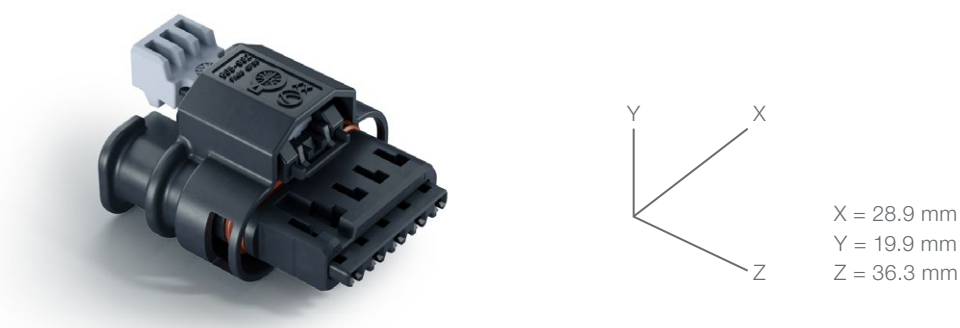
- ▶ PRODUCT SPECIFICATION
- ▶ PROCESS SPECIFICATION
- ▶ INTERFACE DRAWING
- ▶ PRODUCT DRAWING

¹ Tested with the temperature collective from LV124

² Protective Cap recommended

5way 1.2 SealStar HMK F CPA

PRODUCT NO.	805-992-...
TYPE OF PRODUCT	housing for female terminal (F)
PRODUCT SPECIFICATION	EPS-100059-00
PROCESS SPECIFICATION	EVS-100059-00



TECHNICAL PRODUCT INFORMATION

TERMINAL BLADE SIZE	1.2 mm
NUMBER OF PINS	5way
CENTERLINE OF TERMINALS (Pitch)	4.0 mm
WIRE SIZE RANGE	max. 1.0 mm²
SEALED APPLICATION	sealed
CODING OF PRODUCT	available
MAX. MATING AND UNMATING FORCE	≤ 85 N
VOLTAGE CLASS	≤ 60 V
NUMBER OF TERMINAL ROWS	1 row
CPA (Connector Position Assurance)	with CPA
TPA (Terminal Position Assurance/Secondary Lock)	with TPA
TYPE OF COMPATIBLE TERMINAL (Primary Lock)	Locking Lance (LL)
CONTACT CARRIER MATERIAL	PA66 GF35
WEIGHT OF CONNECTOR (Delivery Condition)	7.5 g

MATING PARTS & ACCESSOIRES

MATING HIRSCHMANN AUTOMOTIVE PRODUCTS	Connector: 806-974-... Protective Cap: 707-136-501 (180°) / 707-137-501 (90°) / 707-138-501 (90°)
COMPATIBLE TERMINAL SYSTEM	Hirschmann Automotive HMK 1.2: 709-125-...00 (drawing)
CAVITY PLUG DIAMETER (ELA & ELB)	Ø 3.55 mm connector cavity
No distribution via Hirschmann Automotive. Please contact supplier directly.	Kostal: SWS is given on Hirschmann Automotive terminal drawing

VALIDATION STATUS

PRODUCT SUBGROUP VALIDATION STATUS (Benchmark)	LV214: TK4¹/SG6 USCAR2: S2 v S3² IP-Code: IPx8 / IPx9K²
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INTERFACE DESCRIPTION OF THE CONNECTOR

MATING PLUG SOCKET INTERFACE DRAWING	872-975-...00
MATING USCAR PLUG SOCKET INTERFACE DRAWING	

PACKAGING FEATURES

PACKAGING SIZE	600 x 400 x 140 mm
PACKAGING QUANTITY	1,000 pcs
PACKAGING WEIGHT	8.2 kg
PACKAGING TYPE	bulk material

ORDER/PRODUCT NO.

ORDER/ PRODUCT NO.	CODING	CONTACT CARRIER COLOR	FEATURE AND ADDITIONAL INFORMATION
805-992-541	A	black	-

Downloads

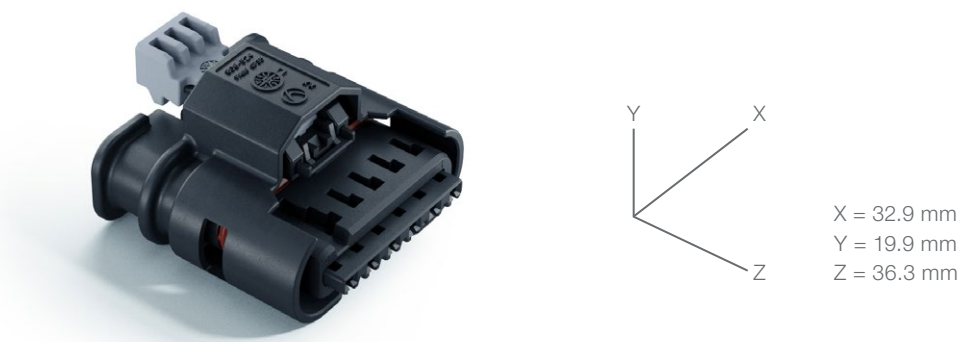
- ▶ PRODUCT SPECIFICATION
- ▶ PROCESS SPECIFICATION
- ▶ INTERFACE DRAWING
- ▶ PRODUCT DRAWING

¹ Tested with the temperature collective from LV124

² Protective Cap recommended

6way 1.2 SealStar HMK F CPA

PRODUCT NO.	806-524-...
TYPE OF PRODUCT	housing for female terminal (F)
PRODUCT SPECIFICATION	EPS-100059-00
PROCESS SPECIFICATION	EVS-100059-00



TECHNICAL PRODUCT INFORMATION

TERMINAL BLADE SIZE	1.2 mm
NUMBER OF PINS	6way
CENTERLINE OF TERMINALS (Pitch)	4.0 mm
WIRE SIZE RANGE	max. 1.0 mm ²
SEALED APPLICATION	sealed
CODING OF PRODUCT	available
MAX. MATING AND UNMATING FORCE	≤ 105 N
VOLTAGE CLASS	≤ 60 V
NUMBER OF TERMINAL ROWS	1 row
CPA (Connector Position Assurance)	with CPA
TPA (Terminal Position Assurance/Secondary Lock)	with TPA
TYPE OF COMPATIBLE TERMINAL (Primary Lock)	Locking Lance (LL)
CONTACT CARRIER MATERIAL	PA66 GF35
WEIGHT OF CONNECTOR (Delivery Condition)	8.1 g

MATING PARTS & ACCESSOIRES

MATING HIRSCHMANN AUTOMOTIVE PRODUCTS	Connector: 806-614-...
COMPATIBLE TERMINAL SYSTEM	Hirschmann Automotive HMK 1.2: 709-125-..00 (drawing)
CAVITY PLUG DIAMETER (ELA & ELB) <i>No distribution via Hirschmann Automotive. Please contact supplier directly.</i>	Ø 3.55 mm connector cavity Kostal: SWS is given on Hirschmann Automotive terminal drawing

VALIDATION STATUS

PRODUCT SUBGROUP VALIDATION STATUS (Benchmark)	LV214: TK4 ¹ /SG6 USCAR2: S2 v S3 ² IP-Code: IPx8 / IPx9K ²
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INTERFACE DESCRIPTION OF THE CONNECTOR

MATING PLUG SOCKET INTERFACE DRAWING	872-975-...00
MATING USCAR PLUG SOCKET INTERFACE DRAWING	120-S-006-1-Z02

PACKAGING FEATURES

PACKAGING SIZE	600 x 400 x 140 mm
PACKAGING QUANTITY	1,000 pcs
PACKAGING WEIGHT	8.8 kg
PACKAGING TYPE	bulk material

ORDER/PRODUCT NO.

ORDER/ PRODUCT NO.	CODING	CONTACT CARRIER COLOR	FEATURE AND ADDITIONAL INFORMATION
806-524-... ³	A	black	-

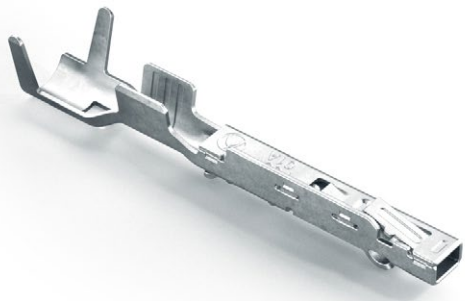
Downloads

- ▶ PRODUCT SPECIFICATION
- ▶ PROCESS SPECIFICATION
- ▶ INTERFACE DRAWING

¹ Tested with the temperature collective from LV124
² Protective Cap recommended
³ On request: OEM restricted; samples available

1.2 Terminal HMK F

PRODUCT NO.	709-125-...
TYPE OF PRODUCT	female terminal (F)
PRODUCT SPECIFICATION	EPS-100062
PROCESS SPECIFICATION	EVS-100062



TECHNICAL PRODUCT INFORMATION

CONTACT SIZE	1.2 mm
SEALING OPTIONS	wire sealed with SWS
TYPE OF TERMINAL (Primary Lock)	Locking Lance (LL)
TPA (Terminal Position Assurance/Secondary Lock)	with TPA
CONNECTION METHOD TO WIRE AND CABLE	crimp
TYPICAL CURRENT RATING	15.5 A at 80° C (1.00 mm²)
CONTACT MATING FORCE	max. 4 N
MATING CYCLES	50 cycles
TERMINAL CONSTRUCTION	two-piece
WEIGHT OF CONNECTOR (Delivery Condition)	0.2 g

MATING PARTS & ACCESSOIRES

MATING HIRSCHMANN AUTOMOTIVE PRODUCTS	Terminal: Kostal & MCON male
CAVITY PLUG DIAMETER (ELA & ELB) <i>No distribution via Hirschmann Automotive. Please contact supplier directly.</i>	SWS is given on the corresponding terminal drawing

VALIDATION STATUS

PRODUCT SUBGROUP VALIDATION STATUS (Benchmark)	T= -40° C to 150° C (Ag)
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PACKAGING FEATURES

PACKAGING SIZE	670 x 670 x 260 mm
PACKAGING QUANTITY	8,000 pcs
PACKAGING WEIGHT	2.1 kg
PACKAGING TYPE	spool

ORDER/PRODUCT NO.

ORDER/PRODUCT NO.	DGV WIRE SIZE RANGE	PRODUCT INFORMATION
709-125-501	0.75-1.00 mm²	Plating: Surface AG2-4 Minimum Order Quantity: 8,000 pcs
709-125-502	0.50 mm²	
709-125-503	0.22-0.35 mm²	

