# Hoods/Housings

## Han<sup>®</sup> HPR



Hoods/Housings for harsh environmental requirements / Screw/toggle locking system

Identification	Part number Toggle locking screw Pg			Drawing	Dimensions in mm
Hoods top entry	chromated 09 40 003 0402 <sup>1)</sup> Epoxy powder paint 09 40 703 0402 <sup>1)</sup>		1 x 13.5 1 x 13.5	Pg Pg 45,4-	9 5 5 32,2
Housings, bulk- head mounting	chromated <b>09 40 003 0301</b> <sup>1)</sup> Epoxy powder paint 09 40 703 0301 <sup>1)</sup>			Panel cut out 21 () Sealing screw	.3 x 21.3 mm

## Accessories

Identification	Part n Toggle locking	umber screw	Pg	Drawing	Dimensions in mm	
Adaptor for assembly of bulkhead mounted housings in angled position, with Pg- entry		chromated 09 40 003 0901 Epoxy powder paint 09 40 703 0901	1 x 13.5 1 x 13.5			
Adaptor for assembly of bulkhead mounted housings in angled position	chromated 09 40 003 0902 Epoxy powder paint 09 40 703 0902	chromated 09 40 003 0902 Epoxy powder paint 09 40 703 0902	-	M4 30 -45,4- 1 17	- 20,6 - 27,5 27,5 	Han Hoods Housings
						30 13
<sup>1)</sup> with sealing screw: sealing on the insert has to	he				Stock items in bold type	13

<sup>1)</sup> with sealing screw; sealing on the insert has to be

Stock items in bold type

Courtesy of Steven Engineering, Inc.-230 Ryan Way, South San Francisco, CA 94080-6370-Main Office: (650) 588-9200-Outside Local Area: (800) 258-9200-www.stevenengineering.com



Han <sup>®</sup> 3 A Standard Hoods	s/Housings	Han-Drive <sup>®</sup> Housings for	motor applications
Metal hoods/housings for	industrial applications	Material	aluminium die-cast
Material	zinc die-cast	Colour	non coloured /
Colour	RAL 7037 (grey)		RAL 7037 (grey)
Surface	powder-coated	Surface	electrical conductive /
		Currace	powder-coated / unpainted
Locking element	steel, zinc-plated	Locking element	Stainless steel
Lever type	lever, metal		
Hoods/Housings seal	NBR	Lever type	Han-Easy Lock <sup>®</sup>
Limiting temperatures	-40 °C +125 °C	Hoods/Housings seal	NBR
Flammability acc. to UL		Limiting temperatures	-40 °C +125 °C
94	V 0	Approval acc. to UL 50	NEMA Type 4/4X/12
	VO	Degree of protection acc.	
Degree of protection acc. to DIN EN 60 529		to DIN EN 60 529	
	10.44	for coupled connector	IP 65
for coupled connector		tor coupled connector	11 05
	IP 67 is achieved with seal		
	screw 09 20 000 9918		
Han <sup>®</sup> 3 A Hoods/Housing	5	Han <sup>®</sup> 3 M Hoods/Housing	as
Plastic hoods/housings fo		Hoods/Housings for high	
Material	thermoplastic	requirements	
Colour	RAL 7032 (light grey) /	Material	zinc die-cast
	RAL 9005 (black)	Colour	RAL 9005 (black)
Lever type	lever, plastic	Surface	
Hoods/Housings seal	NBR	- Top coat	Epoxy powder paint
	-40 °C +125 °C		
Limiting temperatures		Locking element	Stainless steel
Approval acc. to UL 50	NEMA Type 4/4X/12	Lever type	lever, metal
Flammability acc. to UL		Hoods/Housings seal	FPM
94	V 0	Limiting temperatures	-40 °C +125 °C
Degree of protection acc.		Corrosion resistance	ASTM B117-09 (500 h)
to DIN EN 60 529			
for coupled connector	IP 67	Degree of protection acc.	
		to DIN EN 60 529	
		for coupled connector	IP 44
			IP 67 is achieved with seal
			screw 09 20 000 9918
Han <sup>®</sup> Standard Hoods/Ho	•	Han <sup>®</sup> M Hoods/Housings	
Metal hoods/housings for	industrial applications	Hoods/Housings for high	er environmental
Material	aluminium die-cast	requirements	
Colour	RAL 7037 (grey)	Material	aluminium die-cast
Surface	(0, ),	Colour	
	powder-coated		RAL 9005 (black)
Locking element	Stainless steel	Surface	
Lever type	Han-Easy Lock <sup>®</sup>	- Top coat	Epoxy powder paint
Hoods/Housings seal	NBR	Locking element	Stainless steel
Limiting temperatures	-40 °C +125 °C	Lever type	lever, metal
		Hoods/Housings seal	FPM
Approval acc. to UL 50	NEMA Type 4/4X/12		
Degree of protection acc.		Limiting temperatures	-40 °C +125 °C
to DIN EN 60 529		Approval acc. to UL 50	NEMA Type 4/4X/12
for coupled connector	IP 65	Corrosion resistance	ASTM B117-09 (500 h)
		Degree of protection and	. ,
		Degree of protection acc.	
		to DIN EN 60 529	ID CE
		for coupled connector	IP 65

Han Hoods Housings

### Han® 3 EMC Hoods/Housings

#### Hoods/Housings for higher EMC requirements

Material Colour Surface Locking element Lever type Hoods/Housings seal Limiting temperatures Degree of protection acc. to DIN EN 60 529 for coupled connector zinc die-cast non coloured electrical conductive steel, zinc-plated lever, metal NBR -40 °C ... +125 °C

IP 44 IP 67 is achieved with seal screw 09 20 000 9918

#### Han<sup>®</sup> EMC Hoods/Housings

Hoods/Housings for higher	EMC requirements
Material	aluminium die-cast
Colour	non coloured
Surface	electrical conductive
Locking element	
<ul> <li>central locking lever</li> </ul>	Stainless steel
<ul> <li>Screw locking</li> </ul>	M5
- Material	Stainless steel
<ul> <li>Tightening torque</li> </ul>	3 Nm
Hoods/Housings seal	NBR
Limiting temperatures	-40 °C +125 °C
Approval acc. to UL 50	NEMA Type 4/4X/12
Degree of protection acc.	
to DIN EN 60 529	
for coupled connector	IP 65

#### Han<sup>®</sup> EMC/B Hoods/Housings Hoods/Housings for higher EMC requirements

ioous/riousings for higher	LING requirements
Material	
- Hoods/Housings	aluminium die-cast
<ul> <li>shielded frames</li> </ul>	zinc die-cast alloy
Colour	non coloured
Surface	
- Hoods/Housings	electrical conductive
<ul> <li>shielded frames</li> </ul>	electrical conductive
Locking element	Stainless steel
Lever type	Han-Easy Lock®
Hoods/Housings seal	NBR
Limiting temperatures	-40 °C +125 °C
Approval acc. to UL 50	NEMA Type 4/4X/12
Degree of protection acc.	
to DIN EN 60 529	
for coupled connector	IP 65

Degree of protection acc. to DIN EN 60 529 for coupled connector IP 68 / IP 69K Attention The sealing on the insert has to be removed.

Han® 3 HPR Hoods/Housings

Material

Colour

Surface - Top coat

Locking element

- Tightening torque

Hoods/Housings seal

Limiting temperatures

Corrosion resistance

- Screw locking

Material

#### Han<sup>®</sup> HPR Hoods/Housings Hoods/Housings for harsh environmental requirements

Hoods/Housings for harsh environmental requirements

M4

2 Nm

NBR

zinc die-cast

RAL 9005 (black)

Stainless steel

-40 °C ... +125 °C

ASTM B117-09 (500 h)

Epoxy powder paint / chromated

Materialaluminium die-cast, corrosion<br/>resistantColourRAL 9005 (black)Surface-- Top coatEpoxy powder paintLocking element-- Screw lockingM6

4 Nm

NBR

Stainless steel

Stainless steel

-40 °C ... +125 °C

NEMA Type 4/4X/12

ASTM B117-09 (500 h)

- Screw locking
   Material
- Tightening torque
- Toggle locking
   Material
- Hoods/Housings seal Limiting temperatures
- Approval acc. to UL 50 Corrosion resistance

Degree of protection acc. to DIN EN 60 529 for coupled connector

IP 68 / IP 69K (does not apply to Han<sup>®</sup> 48 HPR)

Han Hoods Housings

