

Heavy-duty connectors

HEAVYCON accessories

Protective cover for housing D7 series

– With lanyard



new

Protective cover without single locking latch



new

Protective cover with single locking latch

				Technical data			Technical data		
General data				Plastic, black			Plastic, black		
Material, protective cover				PA			PA		
Degree of protection				IP54 / IP65			IP66		
Flammability rating according to UL 94				HB			V0		
Ambient temperature (operation) [°C]				-20 ... 100			-20 ... 100		
				Ordering data			Ordering data		
Description				Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Protective covers, for sleeve housings									
Socket							HC-STA-D07-HCLWS-PLR-BK	1419274	1
Pin							HC-STA-D07-HCLWS-PL-BK	1419275	1
Protective cover, for supporting base element									
Socket				HC-STA-D07-BCSFS-PLR-BK	1419272	1			
Pin				HC-STA-D07-BCSFS-PL-BK	1419273	1			
Protective cover, for coupling housing									
Socket				HC-STA-D07-BCLFS-PLR-BK	1419270	1			
Pin							HC-STA-D07-BCLFS-PL-BK	1419271	1

Protective cover for panel mounting bases D series

– For panel mounting bases, box mounting bases, and coupling housings with locking latch
– With lanyard



new

Protective cover without single locking latch



new

Protective cover without double locking latch

				Technical data			Technical data		
General data				Plastic, black			Plastic, black		
Material				PA			NBR		
Degree of protection				IP54			IP54		
Flammability rating according to UL 94				HB			-		
Ambient temperature (operation) [°C]				-20 ... 100			-20 ... 100		
				Ordering data			Ordering data		
Description				Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Protective cover, for housing sizes:									
D15				HC-D15-BCSFS-PRBK	1414641	10			
D25				HC-D25-BCSFS-PRBK	1414642	10			
D50							HC-STA-D50-BCSFD-PL-BK	1424417	1

Replacement protective cover for EVO supporting base elements D series

- For HEAVYCON EVO supporting base element
- With joint



Hinged protective cover

Technical data

General data

Material	PA
Degree of protection	IP65 / IP66
Flammability rating according to UL 94	V0
Ambient temperature (operation) [°C]	-40 ... 125

Plastic, black

Ordering data

Description

Replacement protective cover, for housing sizes:

D15	
D25	

Type	Order No.	Pcs. / Pkt.
HC-D15-BC-HI-PLBK	1414673	1
HC-D25-BC-HI-PLBK	1414674	1

Replacement protective cover for EVO supporting base elements B series

- For HEAVYCON EVO supporting base element
- With joint



Hinged protective cover

Technical data

General data

Material	PA
Degree of protection	IP65 / IP66
Flammability rating according to UL 94	V0
Ambient temperature (operation) [°C]	-40 ... 100

Plastic, black

Ordering data

Description

Replacement protective cover, for housing sizes:

B6	
B10	
B16	
B24	

Type	Order No.	Pcs. / Pkt.
HC-B06-BC-HI-PLBK	1407692	1
HC-B10-BC-HI-PLBK	1407693	1
HC-B16-BC-HI-PLBK	1407694	1
HC-B24-BC-HI-PLBK	1407695	1

Heavy-duty connectors

HEAVYCON accessories

Protective cover for sleeve housing B series

- For sleeve housing without locking latch
- With lanyard
- With seal



Protective cover
with single locking latch



Protective cover
with double locking latch

General data	Technical data					
	Plastic, gray		Plastic, black		Metal	
Material, protective cover	PA		PA		Al	
Degree of protection	IP54		IP54 / IP66		IP65	
Flammability rating according to UL 94	HB		HB		-	
Ambient temperature (operation) [°C]	-20 ... 100		-20 ... 100		-40 ... 125	

General data	Technical data					
	Plastic, gray		Plastic, black		Metal	
Material, protective cover	PA		PA		Al	
Degree of protection	IP54		IP54 / IP66		IP65	
Flammability rating according to UL 94	HB		HB		-	
Ambient temperature (operation) [°C]	-20 ... 100		-20 ... 100		-40 ... 125	

Description	Ordering data					
	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.
Protective cover, for housing sizes:						
B6	1678282	10	1414634	10	1644546	10
B10	1678295	10	1414635	10	1584512	10
B16	1678318	10	1414636	10	1584525	10
B24	1678334	10	1414637	10	1584538	10

Description	Ordering data					
	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.
Protective cover, for housing sizes:						
B6	1678305	10	1414638	10	1584541	10
B10	1678321	10	1414639	10	1584554	10
B16	1678321	10	1414639	10	1584554	10
B24	1678347	10	1414640	10	1584567	10

Protective cover for sleeve housing B series

- For sleeve housing with locking latch
- With lanyard
- With seal



Protective cover
without double locking latch

General data	Technical data					
	Plastic, gray		Plastic, black		Metal	
Material, protective cover	PA		PA		Al	
Degree of protection	IP54		IP54 / IP66		IP65	
Flammability rating according to UL 94	HB		HB		-	
Ambient temperature (operation) [°C]	-20 ... 100		-20 ... 100		-40 ... 125	

Description	Ordering data					
	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.
Protective cover, for housing sizes:						
B10	1687260	10	1414631	10	1647750	10
B16	1687273	10	1414632	10	1647763	10
B24	1687286	10	1414633	10	1647776	10

Protective cover for panel mounting bases B series

- For panel mounting bases, box mounting bases, and coupling housings with locking latch
- With lanyard
- Without seal



Protective cover without single locking latch



Protective cover without double locking latch

General data	Technical data			Technical data		
	Plastic, gray	Plastic, black	Metal	Plastic, gray	Plastic, black	Metal
Material, protective cover	PA	PA	Al	PA	PA	Al
Degree of protection	IP54	IP66	IP65	IP54	IP66	IP65
Flammability rating according to UL 94	HB	HB	-	HB	HB	-
Ambient temperature (operation) [°C]	-20 ... 100	-20 ... 100	-40 ... 125	-20 ... 100	-20 ... 100	-40 ... 125

Description	Ordering data						Ordering data					
	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.	Order No.	Pcs. / Pkt.
Protective cover, for housing sizes:												
B6	1660180	10	1414623	10	1644559	10	1772586	10	1414628	10	1644575	10
B10	1660177	10	1414625	10	1644562	10	1772599	10	1414629	10	1644591	10
B16	1660151	10	1414626	10	1644588	10	1772609	10	1414630	10	1644614	10
B24	1660148	10	1414627	10	1644601	10	1646120	10				
B32												

Protective cover for housing B series

new

- Color: transparent/white
- Without seal



Protective cover with clip locking

General data	Technical data		
	Material, protective cover	PA	
Degree of protection	IP20		
Ambient temperature (operation) [°C]	0 ... 20		

Description	Ordering data		
	Type	Order No.	Pcs. / Pkt.
Protective cover, for housing sizes:			
B6	HC-STA-B06-DC-PL	1421100	5
B10	HC-STA-B10-DC-PL	1421101	5
B16	HC-STA-B16-DC-PL	1421102	5
B24	HC-STA-B24-DC-PL	1421103	5

Heavy-duty connectors

HEAVYCON accessories

Coding profiles

– Can be coded in seconds, thanks to the coding profiles



HC/HC-S coding profile



HS2/MOD-K coding profile

	Technical data			Technical data		
General data						
Material	PA			PA		
	Ordering data			Ordering data		
Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Coding profiles, for contact inserts in series:						
HC-B... and terminal adapter HC-B...A-UT..., HC-B...A-DT...	CP-HC	1686478	10			
HC-A10..., HC-A16..., HC-BB...	CP-HC-S	1410916	10			
Coding profiles, for contact inserts in series:						
HC-HS2-D7-E...S				HC-HS 2-CP	1586280	50
HC-A3..., HC-A4..., HC-MOD-K...				HC-MOD-K-CP	1408562	1

Coding bolts

– Prevent up to 6 plug-in connections from being mismatched

Notes:
For assembly instructions, see phoenixcontact.net/products



Coded bolts

	Technical data		
General data			
Material	Steel		
	Ordering data		
Description	Type	Order No.	Pcs. / Pkt.
Coding bolt, for contact inserts in series:			
HC-B...	HC-CB	1772722	10

Guide pins, sockets

- Prevent up to 16 plug-in connections from being mismatched
- Mandatory for HC-D..., HC-DD... as well as HC-M-25-CT-..., HC-M-04-KT..., and HC-M-DSUB09...

Notes:
For assembly instructions, see phoenixcontact.net/products



Guide pin/guide socket

General data		Technical data		
Material		Steel, galvanized		
Description		Ordering data		
Guide sockets and pins, for coding to protect against mismatching and as a guide to prevent accidentally jamming the connector in at an angle, cannot be used with HC-Modular or HC-D7...		Type	Order No.	Pcs. / Pkt.
Guide pin		HC-CST	1676857	10
Guide socket		HC-CBU	1676860	10

Dummy sockets

Prevent connectors of the same type from being mismatched. A dummy socket seals off a socket contact. It is then no longer possible to insert a pin contact in the same position as the dummy socket.

Notes:
For assembly instructions, see phoenixcontact.net/products



Dummy socket



Dummy socket

General data		Technical data			Technical data		
Material		PA			Copper alloy		
Description		Ordering data			Ordering data		
Dummy sockets, for contact inserts with turned socket contacts of type:		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
CK-2,5-ED...		CK2,5-ED-BB	1584693	100	CK1,6-ED-BB	1645888	50
CK-1,6-ED...							

Heavy-duty connectors

HEAVYCON accessories

Plastic cable glands and plastic thread adapters for D series EVO housing

Notes:
EVO unlocking for EVO plastic housing; see page 661



Plastic cable gland



Plastic thread adapter

		Technical data			Technical data		
General data							
Material		PA			PA		
Ambient temperature (operation) [°C]		-40 ... 100			-40 ... 125		
		Ordering data			Ordering data		
Description	Thread type	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable gland, for HEAVYCON EVO D series plastic housing, for cable diameter:							
7 mm ... 13 mm	M20	HC-D-G-M20-PLRBK	1411350	1			
9 mm ... 17 mm	M25	HC-D-G-M25-PLRBK	1411351	1			
Thread adapter, for HEAVYCON EVO D series plastic housing							
	M25				HC-D-TA-M25-PLRBK	1411352	1
	Pg16				HC-D-TA-PG16-PLR-BK	1411353	1
	3/4 inch NPT				HC-D-TA-NPT-3/4-PLR-BK	1411354	1

Plastic cable glands for EVO B series housing

Notes:
EVO unlocking for EVO plastic housing; see page 661



Plastic cable gland



Plastic cable gland for multiple cables

		Technical data			Technical data		
General data							
Material		PA			PA		
Ambient temperature (operation) [°C]		-40 ... 100			-30 ... 100		
		Ordering data			Ordering data		
Description	Thread type	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable gland, for HEAVYCON EVO B series plastic housing, for cable diameter:							
7 mm ... 13 mm	M20	HC-B-G-M20-PLRBK	1407669	1			
9 mm ... 17 mm	M25	HC-B-G-M25-PLRBK	1407670	1			
11 mm ... 21 mm	M32	HC-B-G-M32-PLRBK	1407671	1			
19 mm ... 28 mm	M40	HC-B-G-M40-PLRBK	1407672	1			
Cable gland, for B series HEAVYCON EVO plastic housing, with seal insert for cable diameter:							
without bore hole	M40				HC-B-GM0-M40-PLTBK	1414643	1
4x 10 mm	M40				HC-B-GM4X10-M40-PLTBK	1414644	1
5x 8.5 mm	M40				HC-B-GM5X8,5-M40-PLTBK	1414645	1
8x 6.5 mm	M40				HC-B-GM8X6,5-M40-PLTBK	1414646	1

Plastic cable glands with bend protection and strain relief for B series EVO housing

Notes:
EVO unlocking for EVO plastic housing; see page 661



Plastic cable gland with bend protection



Plastic cable gland with strain relief

General data	
Material	PA
Ambient temperature (operation)	-40 ... 100 [°C]

Description	Thread type
Cable gland, for HEAVYCON EVO B series plastic housing, for cable diameter:	
6 mm ... 13 mm	M20
9 mm ... 17 mm	M25
13 mm ... 21 mm	M32

Technical data		
Material: PA		
Ambient temperature (operation): -40 ... 100 [°C]		
Ordering data		
Type	Order No.	Pcs. / Pkt.
HC-B-GB-M20-PLRBK	1414660	1
HC-B-GB-M25-PLRBK	1414661	1
HC-B-GB-M32-PLRBK	1414662	1

Technical data		
Material: PA		
Ambient temperature (operation): -40 ... 100 [°C]		
Ordering data		
Type	Order No.	Pcs. / Pkt.
HC-B-GTRS-M20-PLRBK	1414651	1
HC-B-GTRS-M25-PLRBK	1414652	1
HC-B-GTRS-M32-PLRBK	1414654	1

Plastic thread adapter for B series EVO housing

Notes:
EVO unlocking for EVO plastic housing; see page 661



Plastic thread adapter

General data	
Material	PA
Ambient temperature (operation)	-40 ... 100 [°C]

Description	Thread type
Thread adapter, for B series HEAVYCON EVO plastic housing	
	M20
	M25
	M32
	M40
	Pg13.5
	Pg16
	Pg21
	Pg29
	1/2-inch NPT
	3/4 inch NPT
	1/1 inch NPT
	1 1/4 in. NPT

Technical data		
Material: PA		
Ambient temperature (operation): -40 ... 100 [°C]		
Ordering data		
Type	Order No.	Pcs. / Pkt.
HC-B-TA-M20-PLR-BK	1414243	1
HC-B-TA-M25-PLR-BK	1414244	1
HC-B-TA-M32-PLR-BK	1414245	1
HC-B-TA-M40-PLR-BK	1414246	1
HC-B-TA-PG13-PLR-BK	1414247	1
HC-B-TA-PG16-PLR-BK	1414248	1
HC-B-TA-PG21-PLR-BK	1414249	1
HC-B-TA-PG29-PLR-BK	1414250	1
HC-B-TA-NPT-1/2-PLR-BK	1414251	1
HC-B-TA-NPT-3/4-PLR-BK	1414252	1
HC-B-TA-NPT-1/1-PLR-BK	1414253	1
HC-B-TA-NPT-1 1/4-PLR-BK	1414254	1

Heavy-duty connectors

HEAVYCON accessories

Metal cable glands for EVO B series housing



Metal cable gland for EMC applications



Metal cable gland for multiple cables

General data		Technical data			Technical data		
Material		Die-cast aluminum, corrosion-resistant			Die-cast aluminum, corrosion-resistant		
Ambient temperature (operation)	[°C]	-40 ... 125			-30 ... 100		
Description		Ordering data			Ordering data		
	Thread type	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable gland, for HEAVYCON EVO B series metal housing, for EMC applications, for cable diameter:							
9 mm ... 13 mm	M20	HC-B-G-M20-EC-AL	1411439	1			
11 mm ... 16 mm	M25	HC-B-G-M25-EC-AL	1411446	1			
14 mm ... 21 mm	M32	HC-B-G-M32-EC-AL	1411440	1			
19 mm ... 27 mm	M40	HC-B-G-M40-EC-AL	1411441	1			
Cable gland, for HEAVYCON EVO metal housing, for higher strain relief, with NBR seal, for cable diameter:							
without bore hole	M40				HC-B-GM0-M40-ET-AL	1414647	1
4x 10 mm	M40				HC-B-GM4X10-M40-ET-AL	1414648	1
5x 8.5 mm	M40				HC-B-GM5X8,5-M40-ET-AL	1414649	1
8x 6.5 mm	M40				HC-B-GM8X6,5-M40-ET-AL	1414650	1

Metal cable glands with bend protection and strain relief for B series EVO housing



Metal cable gland with bend protection



Metal cable gland with strain relief

General data		Technical data			Technical data		
Material		-			-		
Ambient temperature (operation)	[°C]	-40 ... 100			-40 ... 100		
Description		Ordering data			Ordering data		
	Thread type	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable gland, for B series HEAVYCON EVO metal housing, for cable diameter:							
6 mm ... 13 mm	M20	HC-B-GB-M20-ER-AL	1414663	1	HC-B-GTRS-M20-ER-AL	1414656	1
9 mm ... 17 mm	M25	HC-B-GB-M25-ER-AL	1414664	1	HC-B-GTRS-M25-ER-AL	1414657	1
13 mm ... 21 mm	M32	HC-B-GB-M32-ER-AL	1414665	1	HC-B-GTRS-M32-ER-AL	1414658	1
16 mm ... 28 mm	M40	HC-B-GB-M40-ER-AL	1414666	1	HC-B-GTRS-M40-ER-AL	1414659	1

**Metal thread adapter
for B series EVO housings**



Metal thread adapter

General data		Technical data		
Material		Die-cast aluminum, corrosion-resistant		
Ambient temperature (operation)	[°C]	-40 ... 125		
Description		Ordering data		
Description	Thread type	Type	Order No.	Pcs. / Pkt.
Thread adapter, for B series HEAVYCON EVO metal housings				
	M20	HC-B-TA-M20-ER-AL	1414256	1
	M25	HC-B-TA-M25-ER-AL	1414257	1
	M32	HC-B-TA-M32-ER-AL	1414258	1
	M40	HC-B-TA-M40-ER-AL	1414259	1
	Pg13,5	HC-B-TA-PG13-ER-AL	1414260	1
	Pg16	HC-B-TA-PG16-ER-AL	1414261	1
	Pg21	HC-B-TA-PG21-ER-AL	1414262	1
	Pg29	HC-B-TA-PG29-ER-AL	1414263	1
	1/2-inch NPT	HC-B-TA-NPT-1/2-ER-AL	1414264	1
	3/4 inch NPT	HC-B-TA-NPT-3/4-ER-AL	1414265	1
	1/1 inch NPT	HC-B-TA-NPT-1/1-ER-AL	1414266	1
	1 1/4 in. NPT	HC-B-TA-NPT-1 1/4-ER-AL	1414267	1

**EVO unlocking
for EVO plastic housing**



EVO unlocking

General data		Technical data		
Material		-		
Description		Ordering data		
Description	Type	Order No.	Pcs. / Pkt.	
Water pump pliers, with groove joint, gripping surfaces with dual notching, acc. to VDE ISO 8976, size: 240 mm				
	UNIFOX-WP	1212365	1	

Heavy-duty connectors

HEAVYCON accessories

Seals for B series EVO and STANDARD housing



Notes:
Adhere seals to the housing using Loctite® 454.



Replacement flat gasket
for panel mounting base



Replacement profile gasket
for supporting base element

				Technical data			Technical data		
General data									
Material				NBR, conductive			NBR, conductive		
Ambient temperature (operation) [°C]				-40 ... 125			-40 ... 125		
				Ordering data			Ordering data		
Description				Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Replacement flat gasket, for HEAVYCON housing in sizes:									
B6				HC-B06-SG-CBK	1411483	10			
B10				HC-B10-SG-CBK	1411484	10			
B16				HC-B16-SG-CBK	1411485	10			
B24				HC-B24-SG-CBK	1411486	10			
Replacement profile gasket, for HEAVYCON housing in sizes:									
B6							HC-B06-SP-CBK	1411477	10
B10							HC-B10-SP-CBK	1411479	10
B16							HC-B16-SP-CBK	1411480	10
B24							HC-B24-SP-CBK	1411482	10

Seals for B series ADVANCE housing and D7 series housing

new



Notes:
Adhere seals to the housing using Loctite® 454.



Replacement profile gasket
for ADVANCE sleeve housing



Replacement flat gasket
for D7 series housing

				Technical data			Technical data		
General data									
Material				NBR, conductive			NBR		
Ambient temperature (operation) [°C]				-40 ... 125			-40 ... 125		
				Ordering data			Ordering data		
Description				Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Replacement profile gasket, conductive, for uneven mounting surfaces, for HEAVYCON ADVANCE sleeve housing in sizes:									
B6				HC-B 6-TMS-EEE-PR-DI	1409794	10			
B10				HC-B 10-TMS-EEE-PR-DI	1409804	10			
B16				HC-B 16-TMS-EEE-PR-DI	1409817	10			
B24				HC-B 24-TMS-EEE-PR-DI	1409820	10			
Replacement flat gasket, for HEAVYCON housing in sizes:									
D7							HC-D07-SG-RBK	1424441	10

**Latch for D7 and D series
EVO and STANDARD housing**

new



Replacement latch
for D7 series STANDARD housing



Replacement latch
for EVO D series plastic housing

		Technical data			Technical data		
General data							
Material		PA			PA		
Ambient temperature (operation) [°C]		-40 ... 125			-40 ... 125		
		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Replacement single locking latch, plastic, for HEAVYCON housing in sizes:							
D7		HC-D07-SL-PLBK	1424440	10			
Replacement single locking latch, plastic, for HEAVYCON housing in sizes:							
D15					HC-D15-SL-PLBK	1414667	10
D25					HC-D25-SL-PLBK	1414668	10

**Latch for B series
EVO and STANDARD housing**



Replacement latch
for EVO B series plastic housing



Replacement latch for EVO and
STANDARD B series metal housing

		Technical data			Technical data		
General data							
Material		PA			PA		
Ambient temperature (operation) [°C]		-40 ... 100			-40 ... 125		
		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Replacement single locking latch, plastic, for HEAVYCON housing in sizes:							
B6		HC-B06-SL-PLBK	1407697	10	HC-STA-B06-SL-PLBK	1412591	1
B10		HC-B10-SL-PLBK	1407698	10	HC-STA-B10-SL-PLBK	1412804	1
B16		HC-B16-SL-PLBK	1407700	10	HC-STA-B16-SL-PLBK	1412284	1
B24		HC-B24-SL-PLBK	1407701	10	HC-STA-B24-SL-PLBK	1412885	1
Replacement double locking latch, plastic, for HEAVYCON housing in sizes:							
B10 ... B24		HC-B10-24-DL-PLBK	1407696	10	HC-STA-B10-24-DL-PLBK	1412886	1

Heavy-duty connectors

HEAVYCON accessories

PE screws, PE multiplier

If several PE conductors are routed via one contact insert, additional PE connections are required. This is done using additional PE screws or the PE multiplier.



PE screw



PE multiplier

		Technical data			Technical data		
General data							
Material		Steel, galvanized			Brass, nickel-plated		
Connection cross section [mm²]		-			0.5 ... 2.5		
Connection cross section AWG		-			20 ... 14		
		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
PE screw, for contact inserts in series:							
HC-B..., HC-BB..., HC-DD..., HC-D40..., HC-D64...		HC-B-PES	1604997	10			
HC-HS 6...		HC-HS-PES	1586219	100			
PE screw, for contact inserts in series:							
HC-A..., HC-D15..., HC-D25...		HC-A-PES	1584868	10			
PE multiplier, with 3 PE connections, for contact inserts in series:							
HC-B..., HC-BB..., HC-DD..., HC-D40..., HC-D64...					HC-B-3PE	1644326	1

Strain relief clamps

Cable harnesses with crimp contacts must not put a strain on the engaged contacts with their weight.

The use of strain relief clamps eliminates this type of strain.



Lateral cable outlet



Straight cable outlet

		Technical data			Technical data		
General data							
Material		Steel, galvanized			Steel, galvanized		
		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Strain relief clamps, clamping area of 9 - 19 mm, for contact inserts in series:							
HC-B..., HC-BB..., HC-D40..., HC-D64..., HC-DD..., HC-HV...		HC-B-ZS	1685330	10	HC-B-ZG	1685327	10

Replacement bolt and sealing screw



Replacement bolt



Sealing screw

		Technical data			Technical data		
General data							
Material		Steel, galvanized			Steel, galvanized		
		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Replacement bolt, steel, for HEAVYCON HC-B...TFL... sleeve housing (not EMC housing) in size:							
B48		HC-B 48-LB ERSBOLZ	1636114	10			
M3 sealing screw, IP67, for HEAVYCON housing in size:							
D7					HC-D 7-DS-IP65	1686229	100

Docking frame

Docking frames ensure that socket and pin inserts are located in insert systems and contact is made reliably.

Notes:
Due to the floating frame, the mounting panel must be grounded.



Docking frames

		Technical data		
General data				
Material		Stainless steel		
Insertion/withdrawal cycles		≥ 500		
Ambient temperature (operation) [°C]		-40 ... 125		
		Ordering data		
Description		Type	Order No.	Pcs. / Pkt.
Docking frame, with 4 flat headed screws with shoulder, for contact inserts in series:				
B6, DD24, BB10, K, M		HC-B 6-ANDOCK	1586112	1
B10, DD42, BB18, K, M		HC-B 10-ANDOCK	1586125	1
B16, D40, DD72, BB32, K, M		HC-B 16-ANDOCK	1586138	1
B24, D64, DD108, BB46, K, M		HC-B 24-ANDOCK	1586141	1

Heavy-duty connectors

HEAVYCON accessories

Cover plates

For sealing unused openings in control cabinet manufacturing.



Cover plate, height:
3.5 mm



Cover plate, height:
7 mm

		Technical data			Technical data		
General data							
Material		PA		PA		PA	
Color		gray		gray		gray	
Degree of protection		-		-		-	
Flammability rating according to UL 94		HB		HB		HB	
Ambient temperature (operation)	[°C]	-20 ... 100		-20 ... 100		-20 ... 100	
		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cover plate, for a panel cutout in size:							
B6 (cutout: 35 mm x 52 mm)		HC-B 6-AP-GY	1660368	10			
B10 (cutout: 35 mm x 65 mm)		HC-B 10-AP-GY	1660371	10			
B16 (cutout: 35 mm x 86 mm)		HC-B 16-AP-GY	1660384	10	HC-B 16-APV-GY	1661121	10
B24 (cutout: 35 mm x 113 mm)		HC-B 24-AP-GY	1660397	10	HC-B 24-APV-GY	1661037	10
D15 (cutout: 24 mm x 58 mm)		HC-D 15-AP-GY	1660342	10			
D25 (cutout: 24 mm x 74 mm)		HC-D 25-AP-GY	1660355	10			

Adapter plates

For changing panel cutouts to a different size.



Adapter plate



Adapter plate

		Technical data			Technical data		
General data							
Material		PA		PA		PA	
Color		gray		gray		gray	
Degree of protection		-		-		-	
Flammability rating according to UL 94		HB		HB		HB	
Ambient temperature (operation)	[°C]	-20 ... 100		-20 ... 100		-20 ... 100	
		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Adapter plate, for reduction from a B24 panel cutout to:							
3 x D7 (cutout: 21.5 mm x 21.5 mm)		HC-B 24-ADP-3D 7-GY	1661448	10			
Adapter plate, for reduction from a B24 panel cutout to:							
3 x circular connector cutouts (Ø 21 mm)					HC-B 24-ADP-3RST-GY	1662175	10

D-SUB adapter plates, D series

For installing D-SUB connectors in HEAVYCON D series housing.

Notes:
Order D-SUB connectors separately
D-SUB assembly in the adapter plate: front mounting
For D-SUB insert matrix see page 446



Adapter plate for a D-SUB connector

Technical data

General data	
Material	PA
Color	gray
Ambient temperature (operation)	-20 ... 100 [°C]

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
D-SUB adapter plate, for equipping HC-D15... housings with one D-SUB connector, D-SUB type:			
D-SUB 09	HC-D 15-ADP/1 DSUB 9	1661312	2
D-SUB 15	HC-D 15-ADP/1 DSUB 15	1775253	2
D-SUB 25	HC-D 15-ADP/1 DSUB 25	1775266	2

D-SUB adapter plates, B series

For installing D-SUB connectors in HEAVYCON B series housing.

Notes:
Order D-SUB connectors separately
D-SUB assembly in the adapter plate: front mounting
For D-SUB insert matrix see page 446



Adapter plate for a D-SUB connector



Adapter plate for two D-SUB connectors

Technical data

General data	
Material	PA
Color	gray
Flammability rating according to UL 94	HB
Ambient temperature (operation)	-20 ... 100 [°C]

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
D-SUB adapter plate, for mounting HEAVYCON housings with D-SUB connector, for housing size / D-SUB type:			
B6 / D-SUB 09	HC-B 6-ADP/1 DSUB 9	1775457	2
B6 / D-SUB 15	HC-B 6-ADP/1 DSUB 15	1775473	2
B10 / D-SUB 25	HC-B 10-ADP/1 DSUB 25	1775499	2
B16 / D-SUB 37	HC-B 16-ADP/1 DSUB 37	1775512	2
B16 / D-SUB 50	HC-B 16-ADP/1 DSUB 50	1775538	2

Technical data

General data	
Material	PA
Color	gray
Flammability rating according to UL 94	HB
Ambient temperature (operation)	-20 ... 100 [°C]

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
D-SUB adapter plate, for mounting HEAVYCON housings with two D-SUB connectors, for housing size / D-SUB type:			
B6 / D-SUB 09	HC-B 6-ADP/2 DSUB 9	1775460	2
B6 / D-SUB 15	HC-B 6-ADP/2 DSUB 15	1775486	2
B10 / D-SUB 25	HC-B 10-ADP/2 DSUB 25	1775509	2
B16 / D-SUB 37	HC-B 16-ADP/2 DSUB 37	1775525	2
B16 / D-SUB 50	HC-B 16-ADP/2 DSUB 50	1775541	2

Heavy-duty connectors

HEAVYCON accessories

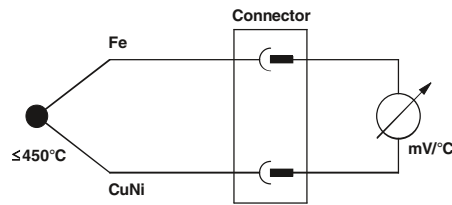
Type J iron and constantan crimp contacts

In hot runner injection molding machines, temperatures are often measured using iron or constantan thermocouples. Iron or constantan elements are used for temperatures up to around 450°C.

Temperature measurements using iron or constantan elements on the brass crimp contact of a connector cause thermoelectric voltages that falsify the measuring result. The use of iron or constantan crimp contacts is therefore recommended.

Crimp contacts made from iron or constantan can be used in series A/B/BB/HV contact inserts and the HC-M-HV..., HC-M-06..., HC-M-08..., HC-M-20... modules.

It is possible to use mixed contact configurations (standard, thermal contacts) for the crimp contact inserts.



Turned crimp contacts, for CK 2,5 crimp contacts:
HC-A..., HC-B..., HC-BB..., HC-HV..., HC-M...

Notes:
For crimping pliers, assembly and removal tools, see page 670

Material data	
Contact material	Iron
Contact surface material	Hard gold-plated
Stripping length of the individual wire	7.5 mm (9.5 mm at HC-M-HV...)
Insertion/withdrawal cycles	
Temperature data	≥ 500
Ambient temperature (operation)	
	-40°C ... 125°C
Description	
Turned socket contacts, 0.5 mm ²	
Iron (Fe), Au surface	
Constantan (CuNi), uncoated	
Turned male contacts, 0.5 mm ²	
Iron (Fe), Au surface	
Constantan (CuNi), uncoated	

Technical data		
Iron	Copper-nickel (constantan)	
Hard gold-plated	-	
7.5 mm (9.5 mm at HC-M-HV...)	7.5 mm (9.5 mm at HC-M-HV...)	
≥ 500	≥ 500	
Ordering data		
Type	Order No.	Pcs. / Pkt.
CK2,5-ED-0,5BU FE	1585773	25
CK2,5-ED-0,5BU CUNI	1585757	25
CK2,5-ED-0,5ST FE	1585760	25
CK2,5-ED-0,5ST CUNI	1585744	25

FO crimp contacts

Fiber optic crimp contacts (980/1000 µm) are suitable for coupling fiber optics (polymer optical fibers). You can use the following crimp contact carriers:

- VC-D (for turned contacts)
- HC M 12..., HC-M-17..., HC-M-03/04...
- HC-D... (for turned contacts) and
- HC-DD...

The optic fibers are polished, stripped, and then crimped.



Crimp contacts for fiber optic cables, polymer optic fibers (POF)

Material data	
Contact material	Nickel silver
Insertion/withdrawal cycles	≥ 500
Description	
Fiber optic contact POF, turned, for VC-D contact carriers	
Socket	
Pin	
Tools, for fiber optics:	
Crimping pliers	
Polisher	
Stripping pliers	
Polishing strip	
Polishing paper	

Technical data		
Nickel silver		
≥ 500		
Ordering data		
Type	Order No.	Pcs. / Pkt.
CK1,6-ED-BU-POF	1885004	50
CK1,6-ED-ST-POF	1884995	50
CRIMPFOX-1,6-ED-POF-N	1584839	1
POLISHER-POF	1686122	1
PSM-FO-STRIP	2744199	1
POLFOL 1 MIC-POF	1636800	10
POLPAP 1500-POF	1636813	10

Shield connection



The HEAVYCON D bus contact is used to connect shielded, 2-wire bus lines. The connection takes up 4 adjacent positions in the contact carrier. The overall shielding braid is also suitable as a T-coupler (two positions for the cable shield).



For crimp contact carriers of series HC-D40 / -D64 / HC-M-12

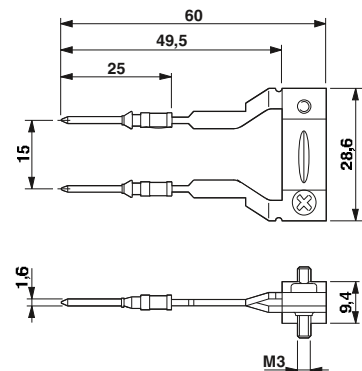
ERC

Electrical data	
Rated voltage	60V
Rated current	10 A
Transmission speed	-
Material specifications for distributor	
Contact material	Copper alloy
Contact surface material	Hard silver-plated
Mechanical data	
External cable diameter	6 mm ... 9 mm
Temperature data	
Ambient temperature (operation)	-40°C ... 60°C

Technical data	
Rated voltage	60V
Rated current	10 A
Transmission speed	-
Material specifications for distributor	
Contact material	Copper alloy
Contact surface material	Hard silver-plated
Mechanical data	
External cable diameter	6 mm ... 9 mm
Temperature data	
Ambient temperature (operation)	-40°C ... 60°C

Description
Shield connection, for two shielded cables, incl. two loose socket crimp contacts for PROFIBUS cables.
Shield connection, for one shielded cable on pin contact carriers, incl. two loose crimp contacts for PROFIBUS cable
Shield connection, for shielded cables on socket contact carriers, without loose crimp contacts
For one bus line
For two bus lines
Shield connection, for shielded cables on pin contact carriers, without loose crimp contacts
For one bus line
For two bus lines
Crimping pliers
- For turned contacts: 0.14 ... 4 mm ²
Removal tool
- For contacts CK1,6-ED.../CK1,6-ER.../CK1,6...POF
Assembly tool
- For contacts CK1,6-ED.../CK2,5-ED.../CK1,6-ER...

Ordering data			
Type	Order No.	Pcs. / Pkt.	
HC-D 4-BU-2BUS	1886139	1	
HC-D 4-ST-1BUS	1886142	1	
HC-D 4-1BU	1886143	1	
HC-D 4-2BU	1886140	1	
HC-D 4-1ST	1886144	1	
HC-D 4-2ST	1886141	1	
CRIMPFOX-1,6/2,5-ED-4,0	1687419	1	
VC-EW 1,6	1884869	1	
CK1,6/2,5-MWZ	1676734	1	



HC-D 4-...BUS

Heavy-duty connectors

HEAVYCON accessories

CRIMPFOX crimping pliers for turned contacts

- The integrated positioning tool ensures that the contacts are perfectly aligned in the die
- Marked die stations for precise processing of the relevant cross sections

Notes:
Spare dies and spare retaining springs can be found in the product area on our website at phoenixcontact.net/products.



Conductor cross section of 0.14 - 4 mm²

Conductor cross section of 6 - 10 mm²

		Technical data			Technical data		
Application range							
Conductor	[mm ²] / AWG	0.14 ... 4 / 26 ... 12			6 ... 10 / 10 ... 8		
Compression		Square crimp			Square crimp		
		Ordering data			Ordering data		
Description		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for turned pin and socket contacts, CK1,6-ED..., CK2,5-ED..., CK4,0-ED... 0.14 - 4.0 mm ² - For CK4,0-ED...6 - 10 mm ² turned contacts		CRIMPFOX-TC 4	1212113	1	CRIMPFOX-TC 10	1212114	1
		Accessories			Accessories		
Removal tool		VC-EW 1,6	1884869	1			
- For contacts CK1,6-ED.../CK1,6-ER.../CK1,6...POF		CK2,5-EWZ	1662722	1			
- For contacts CK2,5-ED...		CK4,0-EWZ	1662735	1	CK4,0-EWZ	1662735	1
- For contacts CK4,0-ED...							

CRIMPFOX universal pliers for accommodating various crimp inserts

- One of the key features of the CRIMPFOX-M crimping pliers is the way the crimp inserts can be quickly replaced without the need for tools

Notes:
For more crimping dies for ferrules, cable lugs, slip-on sleeves, turned contacts, coaxial, RJ45, and RJ11 connectors, visit phoenixcontact.net/products



Basic pliers

		Technical data		
Application range				
Compression		Universal		
		Ordering data		
Description		Type	Order No.	Pcs. / Pkt.
Basic pliers, for accommodating dies for various contact types, unlockable pressure lock, lateral entry		CRIMPFOX-M	1212072	1
		Accessories		
Die, for turned pin and socket contacts		CRIMPFOX-M TC 4/DIE	1212075	1
CK2,5-ED..., CK4,0-ED..., cross section 0.5 - 4 mm ²		CRIMPFOX-M TC 10/DIE	1212076	1
CK4,0-ED..., cross section 6 - 10 mm ²				

CRIMPFOX crimping pliers for rolled contacts

- For processing rolled contacts for fiber optics (POF)



Conductor cross section of 0.5 - 1.5 mm²

Technical data	
Application range	
Conductor [mm ²] / AWG	0.5 ... 1.5 / -
Compression	Universal
Ordering data	
Description	Type
Crimping pliers - For rolled contacts CK1,6-ER...	CRIMPFOX-1,6-ER-1,50-AT
	Order No. 1884843
	Pcs. / Pkt. 1
Accessories	
Assembly tool - For contacts CK1,6-ED.../CK2,5-ED.../CK1,6-ER...	CK1,6/2,5-MWZ
	1676734
Removal tool - For contacts CK1,6-ED.../CK1,6-ER.../CK1,6...POF	VC-EW 1,6
	1884869

CRIMPFOX crimping pliers for coaxial connectors

- CRIMPFOX-CX... are crimping pliers for processing coaxial connectors
- Unlockable pressure lock
- Lateral conductor entry



For coaxial connectors



Conductor cross sections of 0.08 - 2.5 mm²

Notes:
Spare dies and spare retaining springs can be found in the product area on our website at phoenixcontact.net/products .

Technical data		Technical data	
Application range		Application range	
Compression	HEX crimp	Compression	Four-mandrel crimping
Ordering data		Ordering data	
Description	Type	Description	Type
Crimp pliers, for coaxial connectors, 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, unlockable pressure lock, lateral entry, hex crimp	CRIMPFOX-CX 4,52		
	Order No. 1212094		Order No.
	Pcs. / Pkt. 1		Pcs. / Pkt.
Crimping pliers, for turned contacts, universal cross section setting, up to a maximum of 2.5 mm ² , digital display with 0.01 mm increments, unlockable pressure lock, lateral entry, including positioning tool			
for turned contacts, four-mandrel crimping		CRIMPFOX-TC MP	1212510
			1
Accessories		Accessories	
Removal tool - For coax contacts HC-M-04...KOAX... - For D-SUB contacts VS-...CD...	HC-M4-KOAX-EWZ	EWR	1665075
	1676747		1