Limit switch box SRBC

FESTO



Characteristics

At a glance

SRBC limit switch boxes are used for electrical feedback and control of the position of process valves actuated by pneumatic quarter turn actuators. They can be mounted quickly and easily with mounting flange adapters on quarter turn actuators with connection pattern according to VDI/VDE 3845. The robust construction of the SRBC limit switch box is ideally designed for the tough requirements in process automation.

Mechanical interface

With the pre-assembled mounting adapter (80x30 in heights of 20 and 30 mm), the limit switch attachment can be quickly and easily mounted on quarter turn actuators with port pattern according to VDI/VDE 3845. In addition, there are variants without mounting adapter in order to be able to operate other interfaces and products such as angle seat fittings or gear units.

[A3]	Mounting adapter, hole pattern 30x80 mm, shaft height 20 mm
[A4]	Flexible mounting flange adapter according to standard VDI/VDE 3845
[A5]	EN ISO 5211 / F05

Display type

[YR]	Position indicator yellow/red



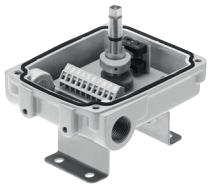
Clearly visible 3D position indicator enables the current position of the semi-rotary drive to be quickly detected

Additional versions of the position indicator (arrow 180°, I version, T version, L version) can be ordered separately as accessories See the Peripherals overview chapter

Characteristics

Sensor principle





[MW] Floating contact, changeover switch

SRBC-...-MW-22A-1W-...
Switching output contact, toggle switch single-pole (SPDT)
- Switch type Omron SS-5

SRBC-...-MW-1-1WG-... (also available as ATEX version)
Switching output contact (gold), toggle switch single-pole (SPDT)
- Switch type Omron D2SW-01L1MS

[N] Proximity sensor, inductive

SRBC-...-N-20N-ZC-... (also available as ATEX version)
Switching output NAMUR, N/C contact
- Switch type P&F NCB2-V3-N0

SRBC-...-N-1-P-...
Switching output PNP, N/O contact
- Switch type P&F NBB2-V3-E2

SRBC-...-N-1-N-...
Switching output NPN, N/O contact
- Switch type P&F NBB2-V3-E0

SRBC-...-N-1-ZU-...
Switching output contactless 2-wire, N/O contact
- Switch type P&F NBB3-V3-Z4

[R] With reed contacts

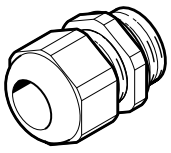
SRBC-...-R-2A-1W-...
Switching output contact, toggle switch single-pole (SPDT)
- Switch type Hamlin 59140-030

Cable fitting

Cable connector and blanking plug in the variants SRBC-CA3-... and SRBC-CA4-... are already included in the scope of delivery.

[_] Without

[P20] M20x1.5, polymer



Type code

001	Series	
SRBC	Limit switch box SRBC	

002	Design	
C	Limit switch box	

003	Mechanical interface	
A3	Mounting adapter, hole pattern 30x80 mm, shaft height 20 mm	
A4	Flexible mounting flange adapter according to standard VDI/ VDE 3845	
A5	EN ISO 5211 / F05	

004	Display type	
YR	Position indicator yellow/red	

005	Measuring range	
90	0 ... 90°	

006	Sensor principle	
MW	Floating contact, changeover switch	
N	Proximity sensor, inductive	
R	With reed contacts	

007	Nominal operating voltage	
1	24 V DC	
2A	110 V AC/50-60 Hz	
20N	8.2 V DC (NAMUR)	
22A	230 V AC	

008	Electrical output 1	
1W	1-pin toggle switch	
1WG	1-pole changeover switch (gold contact)	
N	NPN	
P	PNP	
ZC	2-wire opener	
ZU	2-wire N/O contact	

009	Electrical connection	
C2	Screw terminal	
M12	Plug M12, A-coded	

010	Cable fitting	
	Without	
P20	M20x1.5, polymer	

011	EX certification EU	
	None	
EX6	II 1GD	

Datasheet

General technical data - sensor principle [MW] contact potential-free, change-over switch			
Electrical output 1	1-pin toggle switch		1-pole changeover switch (gold contact)
Nominal operating voltage	24 V DC	230 V AC	24 V DC
Dimensions W x L x H	127 mm x 111 mm x 122 mm	114 mm x 98 mm x 122 mm 127 mm x 98 mm x 122 mm	114 mm x 98 mm x 122 mm 127 mm x 111 mm x 122 mm 127 mm x 98 mm x 122 mm
Angle detection setting range	0 ... 90 deg		
Position indicator	Yellow/red		
Housing colour	Gray		
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 Size AA 1 VDI/VDE 3845 Size AA 2 VDI/VDE 3845 Size AA 3		
Mounting position	Any		
Type of mounting	–	on flange according to ISO 5211	
Product weight	800 g		
Microswitch type	Omron SS-5		Omron D2SW-01L1T

General technical data - sensor principle [R] contact (reed)	
Electrical output 1	1-pin toggle switch
Nominal operating voltage	110 V AC/50-60 Hz
Dimensions W x L x H	127 mm x 98 mm x 122 mm
Angle detection setting range	0 ... 90 deg
Position indicator	Yellow/red
Housing colour	Gray
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 Size AA 1
Mounting position	Any
Type of mounting	–
Product weight	800 g
Microswitch type	Hamlin 59140-030

General technical data - sensor principle [N] proximity switch, inductive				
Electrical output 1	NPN	PNP	2-wire opener	2-wire N/O contact
Nominal operating voltage	24 V DC		8.2 V DC (NAMUR)	24 V DC
Dimensions W x L x H	127 mm x 98 mm x 122 mm	114 mm x 98 mm x 122 mm, 127 mm x 111 mm x 122 mm, 127 mm x 98 mm x 122 mm		127 mm x 98 mm x 122 mm
Angle detection setting range	0 ... 90 deg			
Position indicator	Yellow/red			
Housing colour	Gray			
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 Size AA 1	VDI/VDE 3845 Size AA 1 VDI/VDE 3845 Size AA 2 VDI/VDE 3845 Size AA 3		VDI/VDE 3845 Size AA 1
Mounting position	Any			
Type of mounting	–	on flange according to ISO 5211		–
Product weight	800 g			
Microswitch type	Switch type P&F NBB2-V3-E0	Switch type P&F NBB2-V3-E2	P&F NCB2-V3-N0	P&F NBB3-V3-Z4

Datasheet

Electrical characteristics- sensor principle [MW] contact potential-free, change-over switch			
Electrical output 1	1-pin toggle switch		1-pole changeover switch (gold contact)
Nominal operating voltage	24 V DC	230 V AC	24 V DC
Switching output	Contact-based		Contact-based (gold)
Measuring principle	Mechanical/electrical		
Switching element function	Toggle switch, single-pin		
Operating voltage range AC	–	0 ... 230 V	–
Max. output current AC	–	3 A	–
DC operating voltage range	0 ... 30 V		
Max. output current DC	2 A	3 A	100 mA
Max. input voltage Vi	–		30 V
Effective internal inductance Li	–		Negligibly small
Effective internal capacitance Ci	–		Negligibly small
Max. input parameter of intrinsically safe circuit	–		See IECEx certificate See ATEX certificate
Certificate issuing authority	Eurocert. SIL202587141		Eurocert. SIL202587141 FTZU 17 ATEX 0105X GYJ20.1409X IECEx FTZU 17.0017X

Electrical characteristics - sensor principle [R] contact (reed)	
Electrical output 1	1-pin toggle switch
Nominal operating voltage	110 V AC/50-60 Hz
Switching output	Contact-based
Measuring principle	Magnetic reed
Switching element function	Toggle switch, single-pin
Operating voltage range AC	0 ... 120 V
Max. output current AC	0.18 A
DC operating voltage range	0 ... 175 V
Max. output current DC	0.25 A
Certificate issuing authority	Eurocert. SIL202587141

Electrical characteristics - sensor principle [N] proximity switch, inductive		
Switching output	NAMUR, NPN, PNP, Non-contacting, 2-wire	NAMUR
Measuring principle	Inductive	
Switching element function	NC contact, N.O. contact	NC contact
Max. switching frequency	1,000, 2,000	2,000
DC operating voltage range	5 ... 60 V	8.2 V
Max. input voltage Vi	–	16 V
Max. output current DC	3 ... 100 mA	3 mA
Voltage drop	≤4 V	–
Idle current	≤15 mA	–
Residual current	0 ... 1 mA	0 ... 0.5 mA
Minimum load current	4 mA	–
Effective internal inductance Li	–	100 µH
Effective internal capacitance Ci	–	100 nF
Max. input parameter of intrinsically safe circuit [1)]	–	See IECEx certificate See ATEX certificate
Certificate issuing authority	Eurocert. SIL202587141	Eurocert. SIL202587141 FTZU 17 ATEX 0105X GYJ20.1409X IECEx FTZU 17.0017X
Reverse polarity protection	for all electrical connections	–
Short-circuit protection	Pulsed	–

1) For further information, www.festo.com/catalogue/srbc → Downloads

Datasheet

Electromechanics - Sensor principle [MW] contact potential-free, change-over switch				
Electrical output 1	1-pin toggle switch		1-pole changeover switch (gold contact)	
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101	Spring-loaded terminal		M12x1 A-coded as per EN 61076-2-101
Max. output current DC	2 A	3 A	100 mA	
Cable fitting	–	M20x1.5	–	
Approved cable diameter	5 ... 13 mm		6 ... 12 mm	5 ... 13 mm
Electrical connection 1, connection type	Plug	Terminal strip		Plug
Electrical connection 1, cable outlet	Straight			
Electrical connection 1, design	Round	–		Round
Electrical connection 1, number of pins/wires	8	10		8
Electrical connection 1, occupied pins/wires	8			
Closable nominal conductor cross-section	0.25 ... 2.5 mm²			
Material for cable connector	–	PA	–	
Blanking plug material	–	PA	–	

Electromechanics - sensor principle [R] contact (reed)	
Electrical output 1	1-pin toggle switch
Nominal operating voltage	110 V AC/50-60 Hz
Cable fitting	M20x1.5
Approved cable diameter	5 ... 13 mm
Electrical connection	Screw terminal
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	Spring-loaded terminal
Electrical connection 1, number of pins/wires	10
Electrical connection 1, occupied pins/wires	8
Closable nominal conductor cross-section	0.25 ... 2.5 mm²
Material for cable connector	PA
Blanking plug material	PA

Electromechanics - sensor principle [N] proximity switch, inductive	
Switching output	NAMUR, NPN, PNP, Non-contacting, 2-wire
Cable fitting	M20x1.5
Approved cable diameter	5 ... 13 mm
Electrical connection	M12 Screw terminal
Closable nominal conductor cross-section	0.25 ... 2.5 mm²
Material for cable connector	PA
Blanking plug material	PA

Datasheet

Operating and environmental conditions - sensor principle [MW] contact potential-free, change-over switch		
Switching output	Contact-based	Contact-based (gold)
Ambient temperature	-20 ... 80°C	-40 ... 80°C
Storage temperature	-20 ... 50°C	
Degree of protection	IP66 IP67 NEMA 4/4X	IP66
Shock resistance [1]	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	
Vibration resistance [2]	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	
Corrosion resistance class (CRC)	0 - No corrosion stress	
Contamination level	3	
Safety integrity level (SIL)	SIL 3	
CE marking (see declaration of conformity) [3]	As per EU EMC directive As per EU low voltage directive As per EU RoHS directive	As per EU EMC directive as per EU explosion protection directive (ATEX) As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC, To UK RoHS instructions, To UK instructions for electrical equipment	To UK instructions for EMC, acc. to UK EX instructions, To UK RoHS instructions
KC characters	KC-EMV	–
Certification	c CSA us (OL)	–
ATEX category gas	–	II 1G
Type of ignition protection for gas	–	Ex ia IIC T6/T5 Ga
ATEX category for dust	–	II 1D
Type of (ignition) protection for dust	–	Ex ia IIIC Txx°C Da
Explosive ambient temperature	–	See ATEX certificate See IECEx certificate
Explosion protection certification outside the EU	–	EPL Da (CN) EPL Da (GB) EPL Da (IEC-EX) EPL Ga (CN) EPL Ga (GB) EPL Ga (IEC-EX)

1) Only for mechanical interface SRBC-CA3-...

2) Only for mechanical interface SRBC-CA3-...

3) For further information, www.festo.com/catalogue/srbc → Downloads

Datasheet

Operating and environmental conditions - sensor principle [R] contacting (reed)	
Switching output	Contact-based
Ambient temperature	-20 ... 80°C
Storage temperature	-20 ... 50°C
Degree of protection	IP66 IP67 NEMA 4/4X
Shock resistance [1]	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Vibration resistance [2]	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Corrosion resistance class (CRC)	0 - No corrosion stress
Contamination level	3
Safety integrity level (SIL)	SIL 3
CE marking (see declaration of conformity) [3]	As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions, To UK instructions for electrical equipment
KC characters	KC-EMV
Certification	c CSA us (OL)
ATEX category gas	–
Type of ignition protection for gas	–
ATEX category for dust	–
Type of (ignition) protection for dust	–
Explosive ambient temperature	–
Explosion protection certification outside the EU	–

1) Only for mechanical interface SRBC-CA3-...

2) Only for mechanical interface SRBC-CA3-...

3) For further information, www.festo.com/catalogue/srbc → Downloads

Datasheet

Operating and environmental conditions - sensor principle [N] proximity switch, inductive				
Switching output	NAMUR	NPN	PNP	Non-contacting, 2-wire
Ambient temperature	-20 ... 80°C	-20 ... 70°C	-20 ... 80°C	
Storage temperature	-20 ... 50°C			
Degree of protection	IP66 IP67 NEMA 4/4X			
Shock resistance [1]	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27			
Vibration resistance [2]	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6			
Corrosion resistance class (CRC)	0 - No corrosion stress			
Contamination level	3			
CE marking (see declaration of conformity) [3]	As per EU EMC directive as per EU explosion protection directive (ATEX) As per EU RoHS directive	As per EU EMC directive As per EU RoHS directive		
UKCA marking (see declaration of conformity)	To UK instructions for EMC, acc. to UK EX instructions, To UK RoHS instructions	To UK instructions for EMC, To UK RoHS instructions		
KC characters	KC-EMV			
Certification	RCM compliance mark c CSA us (OL)			
ATEX category gas	II 1G	–		
Type of ignition protection for gas	Ex ia IIC T6/T5 Ga	–		
ATEX category for dust	II 1D	–		
Type of (ignition) protection for dust	Ex ia IIIC Txx°C Da	–		
Explosive ambient temperature	See ATEX certificate See IECEx certificate	–		
Explosion protection certification outside the EU	EPL Da (CN) EPL Da (GB) EPL Da (IEC-EX) EPL Ga (CN) EPL Ga (GB) EPL Ga (IEC-EX)	–		
Safety integrity level (SIL)	SIL 3			

1) Only for mechanical interface SRBC-CA3-...

2) Only for mechanical interface SRBC-CA3-...

3) For further information, www.festo.com/catalogue/srbc → Downloads

Materials - sensor principle [MW] contact potential-free, change-over switch	
Switching output	Contact-based, Contact-based (gold)
Housing material	Die-cast aluminum
Cover cap material	PC
Material of mounting bracket	high-alloy stainless steel
Shaft material	high-alloy stainless steel
Circlip material	high-alloy stainless steel
Disc material	high-alloy stainless steel
Material of screws	high-alloy stainless steel
Seals material	NBR, VMQ (silicone)
Pointer material	PC
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 Zone III

Datasheet

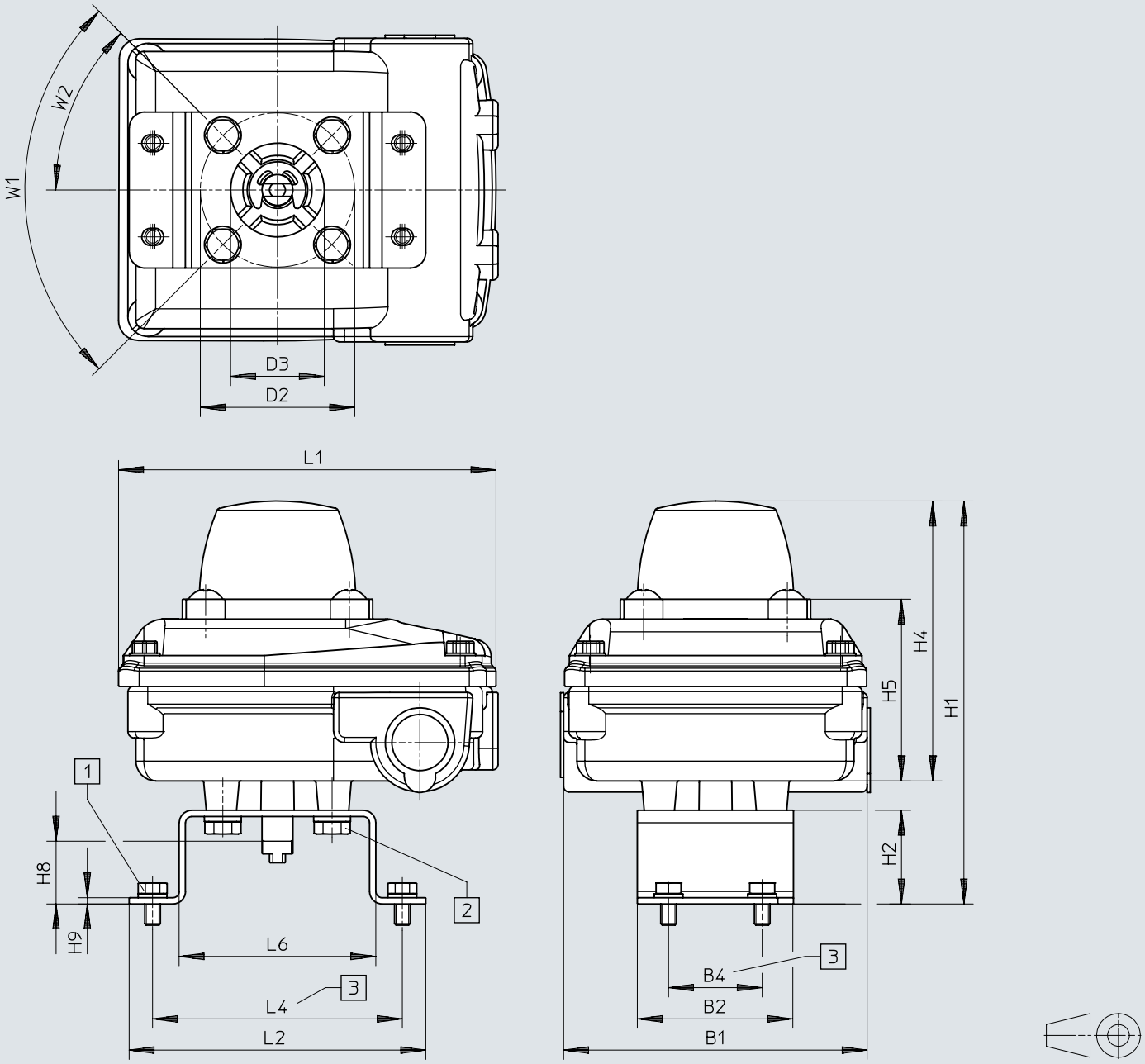
Materials - sensor principle [R] contact (reed)	
Housing material	Die-cast aluminum
Cover cap material	PC
Material of mounting bracket	high-alloy stainless steel
Shaft material	high-alloy stainless steel
Circlip material	high-alloy stainless steel
Disc material	high-alloy stainless steel
Material of screws	high-alloy stainless steel
Seals material	NBR
Pointer material	PC
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 Zone III

Materials - sensor principle [N] proximity switch, inductive	
Housing material	Die-cast aluminum
Cover cap material	PC
Material of mounting bracket	high-alloy stainless steel
Shaft material	high-alloy stainless steel
Circlip material	high-alloy stainless steel
Disc material	high-alloy stainless steel
Material of screws	high-alloy stainless steel
Seals material	NBR
Pointer material	PC
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 Zone III

Dimensions

Dimensions – SRBC-CA3-... with pre-assembled mounting flange adapter, hole pattern 30x80 mm

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[1] Screw ISO 4017 M5x8
[2] Screw GB9074.12 M6x10
[3] to VDI/VDE 3845

Dimensions

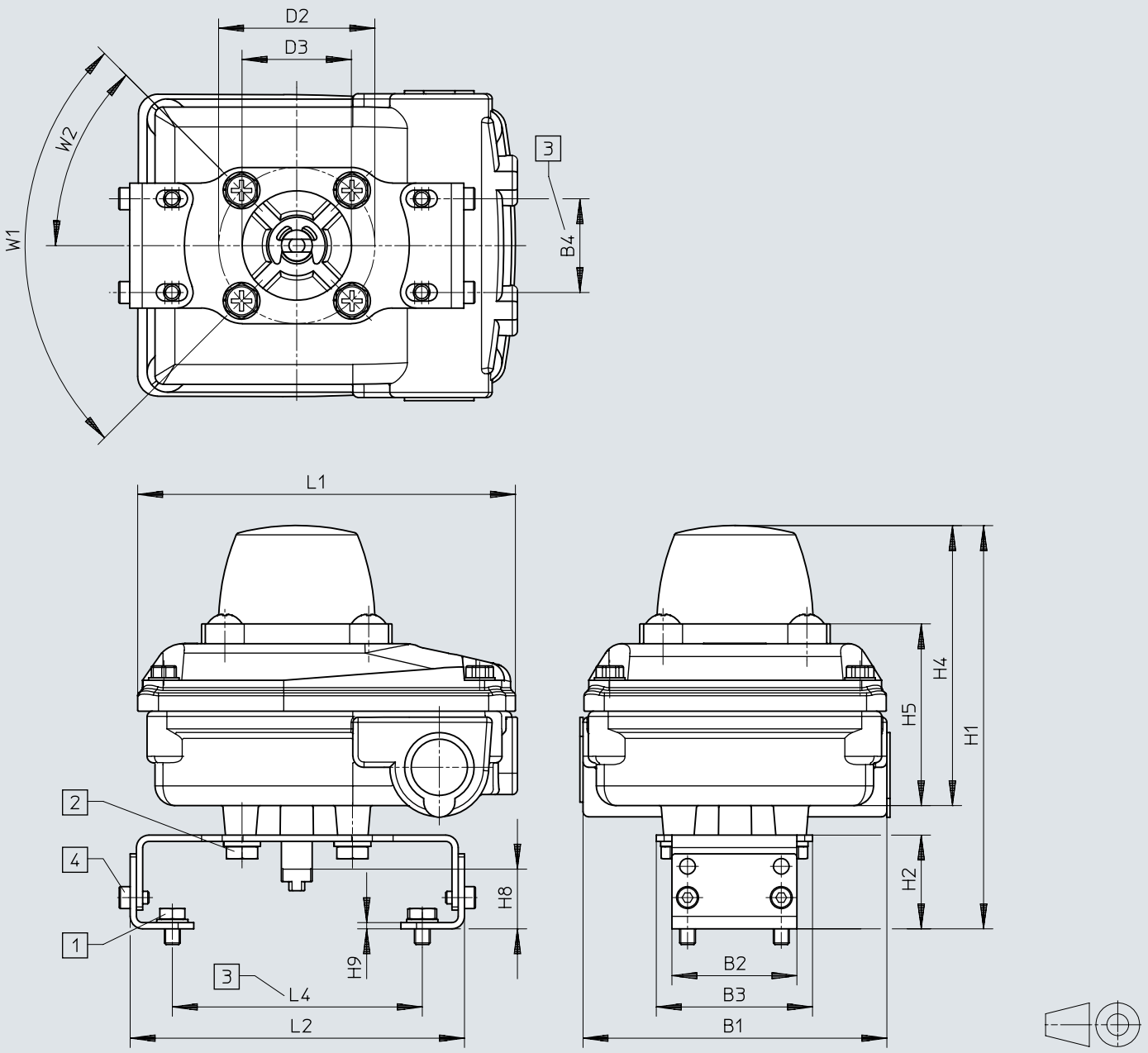
		B1	B2	B4	D2 ø	D3 ø	H1	H2 +0,5	H4
SRBC-CA3-YR90-...	DARQ-K-X1-A1-F05-20-R1	98	50	30	50	30	129	30	90
	DARQ-K-X1-A1-F05-30-R1						139	40	

		H5	H8	H9	L1	L2	L4	L6	W1	W2
SRBC-CA3-YR90-...	DARQ-K-X1-A1-F05-20-R1	58,2	20	2	120	95	80	63	90°	45°
	DARQ-K-X1-A1-F05-30-R1		30							

Dimensions

Dimensions – SRBC-CA4-... with pre-mounted flexible mounting flange adapter, 30x80 mm or 30x130 mm

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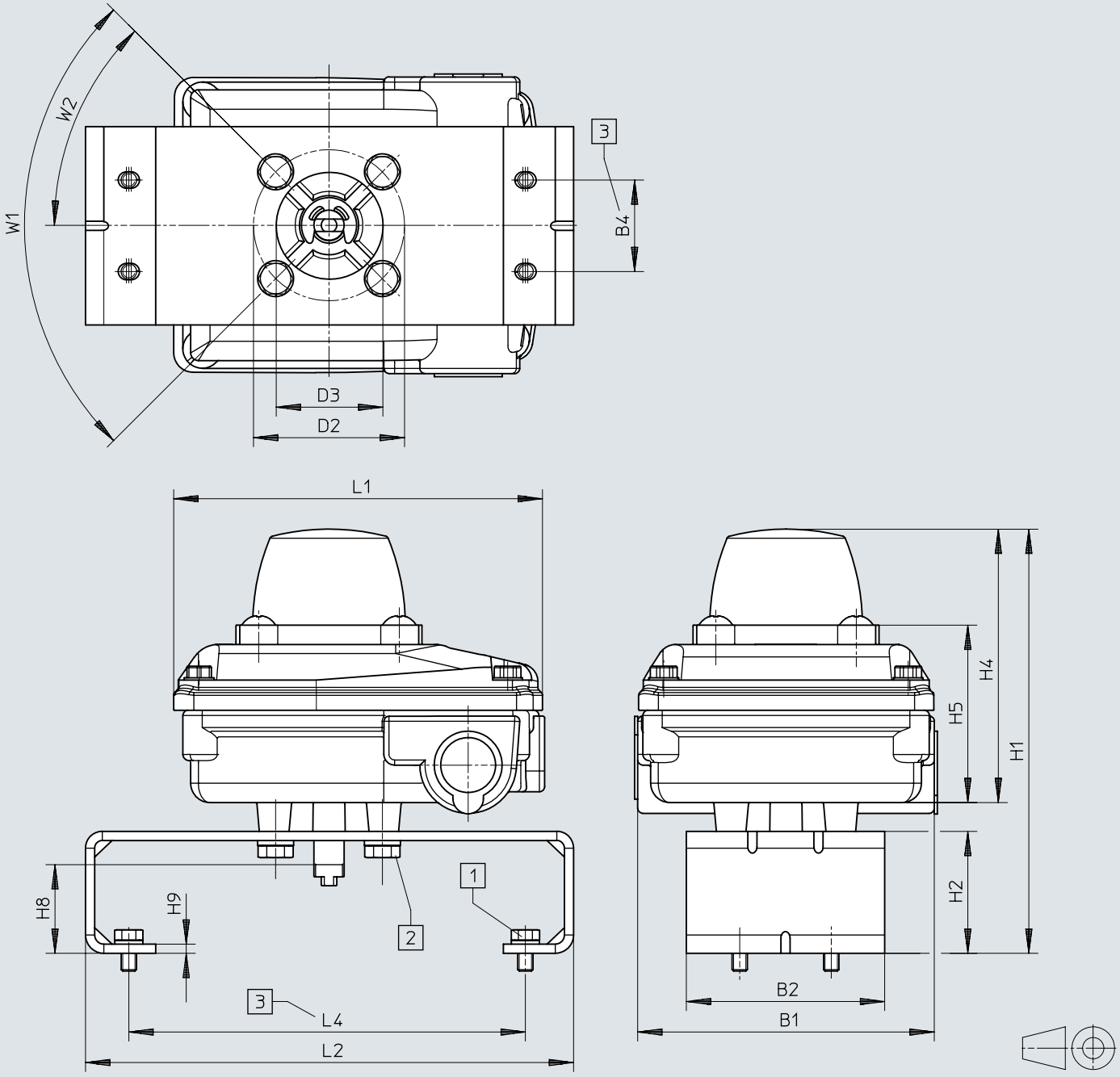
[1] Screw ISO 4017 M5x8
[2] Screw GB9074.12 M6x10
[3] to VDI/VDE 3845
[4] Screw ISO 4762 M4x6

		B1	B2	B3	B4	D2 ø	D3 ø	H1	H2 +0,5	H4	H5	H8 +0,5	H9	L1	L2	L4	W1	W2
SRBC-CA4-YR90-...	DARQ-K-X1-A3-F05-20-R1	98	40	50	30	50	35	129	30	90	58,2	19,1	2	120	107	80	90°	45°

Dimensions

Dimensions – SRBC-CA5-..., mounting flange adapter according to EN ISO 5211/F05 can be ordered as accessory

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[1] Screw ISO 4017 M5x8
[2] Screw GB9074.12 M6x10
[3] to VDI/VDE 3845

Dimensions

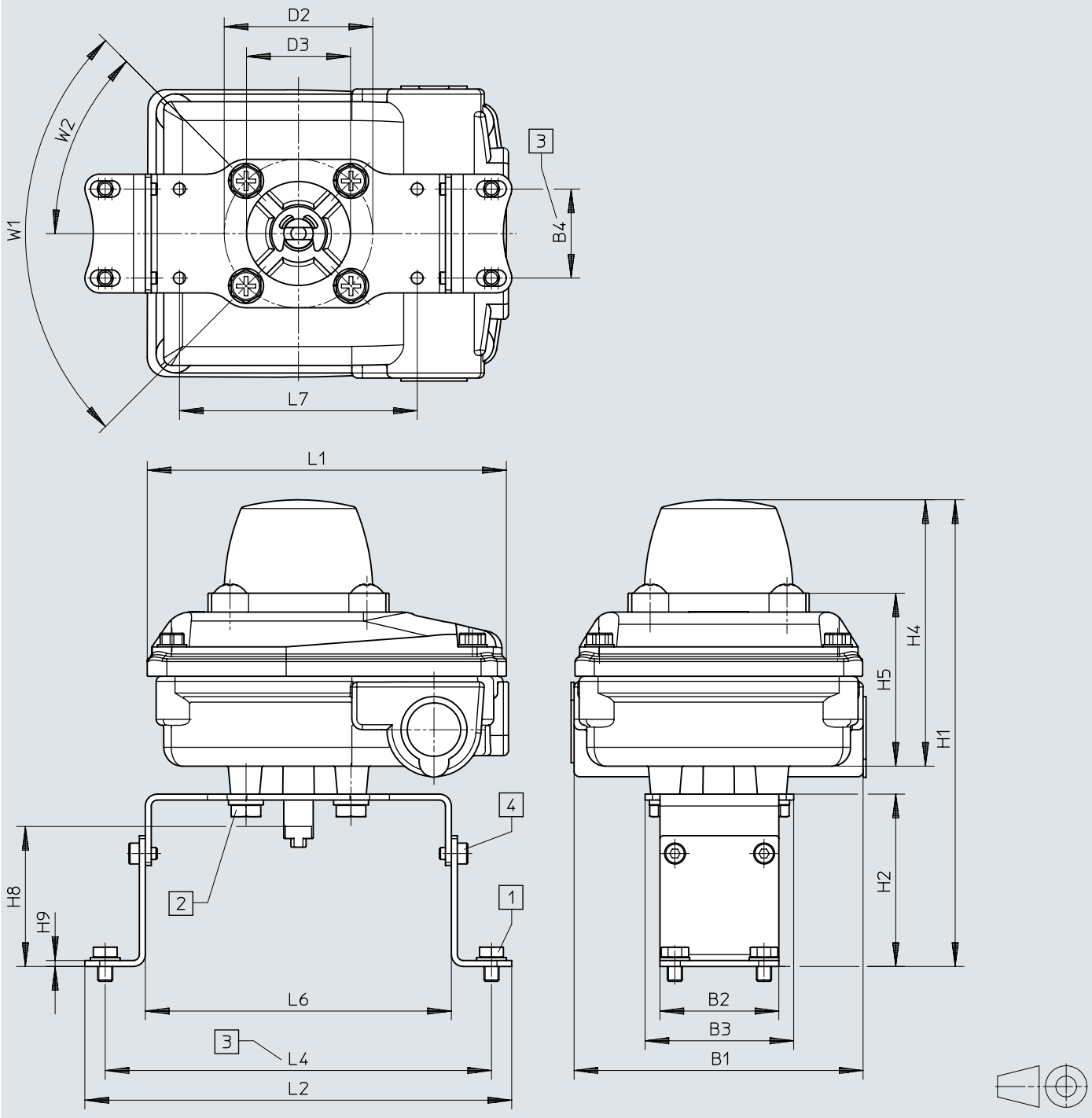
		B1	B2	B4	D2 Ø	D3 Ø	H1	H2 +0,5	H4
SRBC-CA5-YR90-...	DARQ-K-X1-A2-F05-30-R1	98	65	30	50	35	139	40	90

		H5	H8	H9	L1	L2	L4	W1	W2
SRBC-CA5-YR90-...	DARQ-K-X1-A2-F05-30-R1	58,2	30	3	120	160	130	90°	45°

Dimensions

Dimensions – SRBC-CA5-..., mounting flange adapter according to EN ISO 5211/F05 can be ordered as accessory

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[1] Screw ISO 4017 M5x8
[2] Screw GB9074.12 M6x10
[3] to VDI/VDE 3845
[4] Screw ISO 4762 M4x6

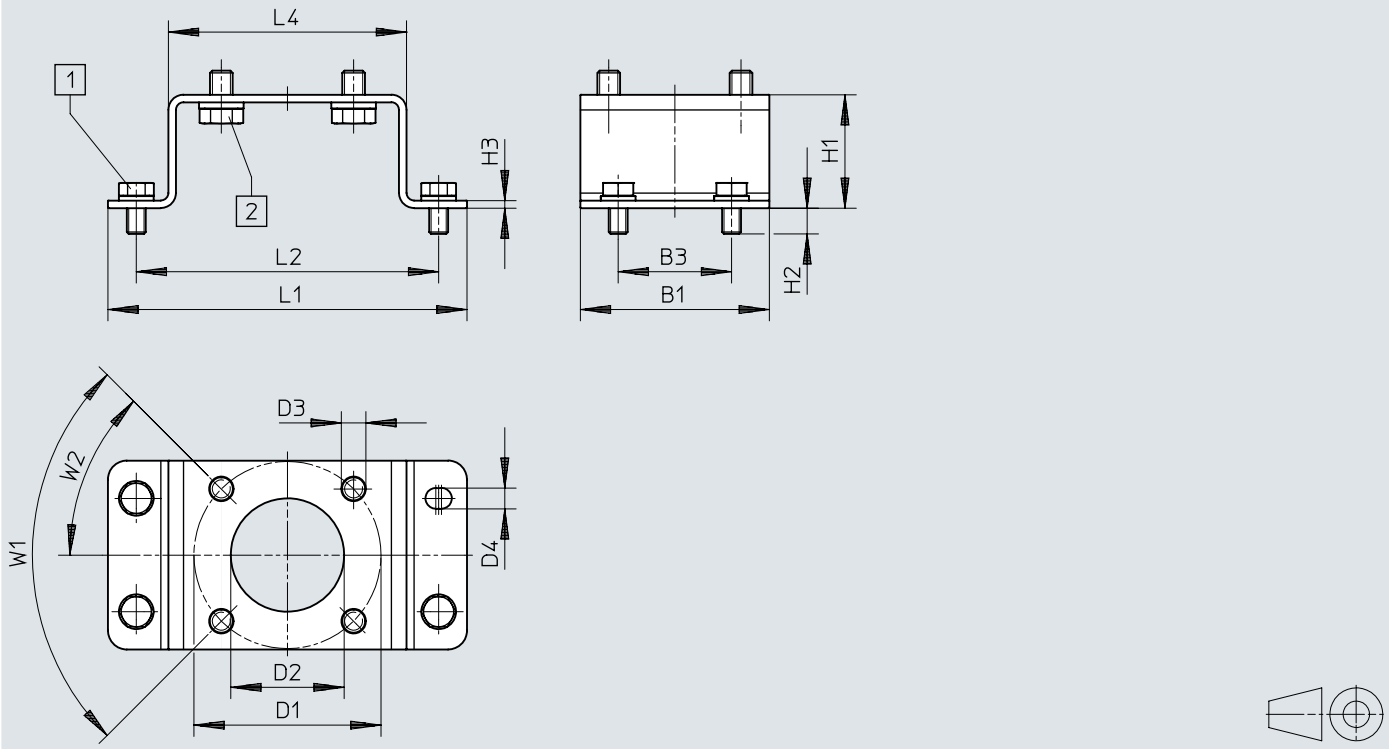
Dimensions

		B1	B2	B3	B4	D2 ø	D3 ø	H1	H2 +0,5	H4	H5
SRBC-CA5-YR90-...	DARQ-K-X1-A3-F05-50-R1	98	40	50	30	50	35	157	58	90	58,2

		H8 +0,5	H9	L1	L2	L4	L6	L7	W1	W2
SRBC-CA5-YR90-...	DARQ-K-X1-A3-F05-50-R1	47,1	2	120	143,7	130	103	80	90°	45°

Dimensions

Dimensions – Mounting flange adapter DARQ-K-X1-A1-F05-...-R1 Download CAD data www.festo.com

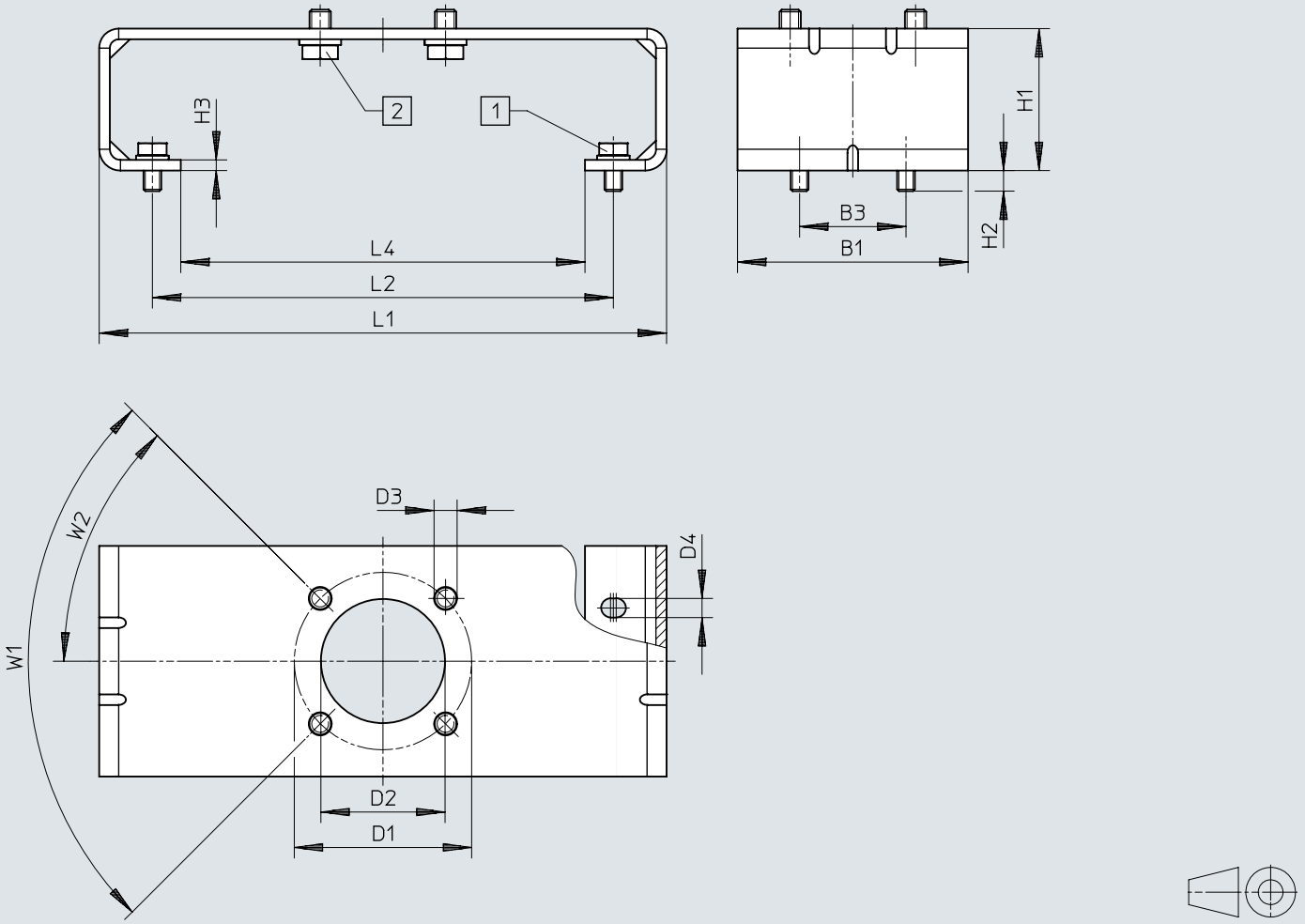


[1] Screw M5x8 (4x)
[2] Screw M6x10 (4x)

	B1	B3	D1 ø	D2 ø	D3 ø	D4 ø	H1 +0,5	H2	H3	L1	L2	L4	W1	W2
DARQ-K-X1-A1-F05-20-R1	50	30	50	30	6,5	5,5	30	6,8	2	95	80	63	90°	45°
DARQ-K-X1-A1-F05-30-R1							40							

Dimensions

Dimensions – Mounting flange adapter DARQ-K-X1-A2-F05-30-R1 Download CAD data www.festo.com

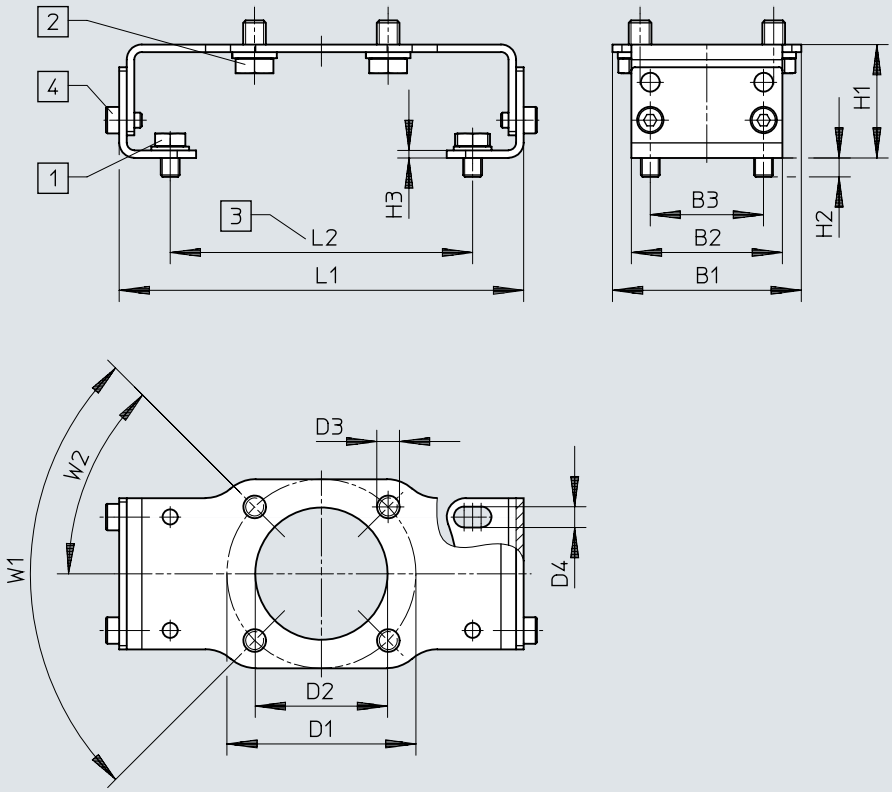


[1] M5x10 screw
[2] M6x10 screw

	B1	B3	D1 ø	D2 ø	D3 ø	D4 ø	H1 +0,5	H2	H3	L1	L2	L4	W1	W2
DARQ-K-X1-A2-F05-30-R1	65	30	50	35	6,5	5,4	40	5,8	3	160	130	114	90°	45°

Dimensions

Dimensions – Mounting flange adapter DARQ-K-X1-A3-F05-20-R1 Download CAD data www.festo.com

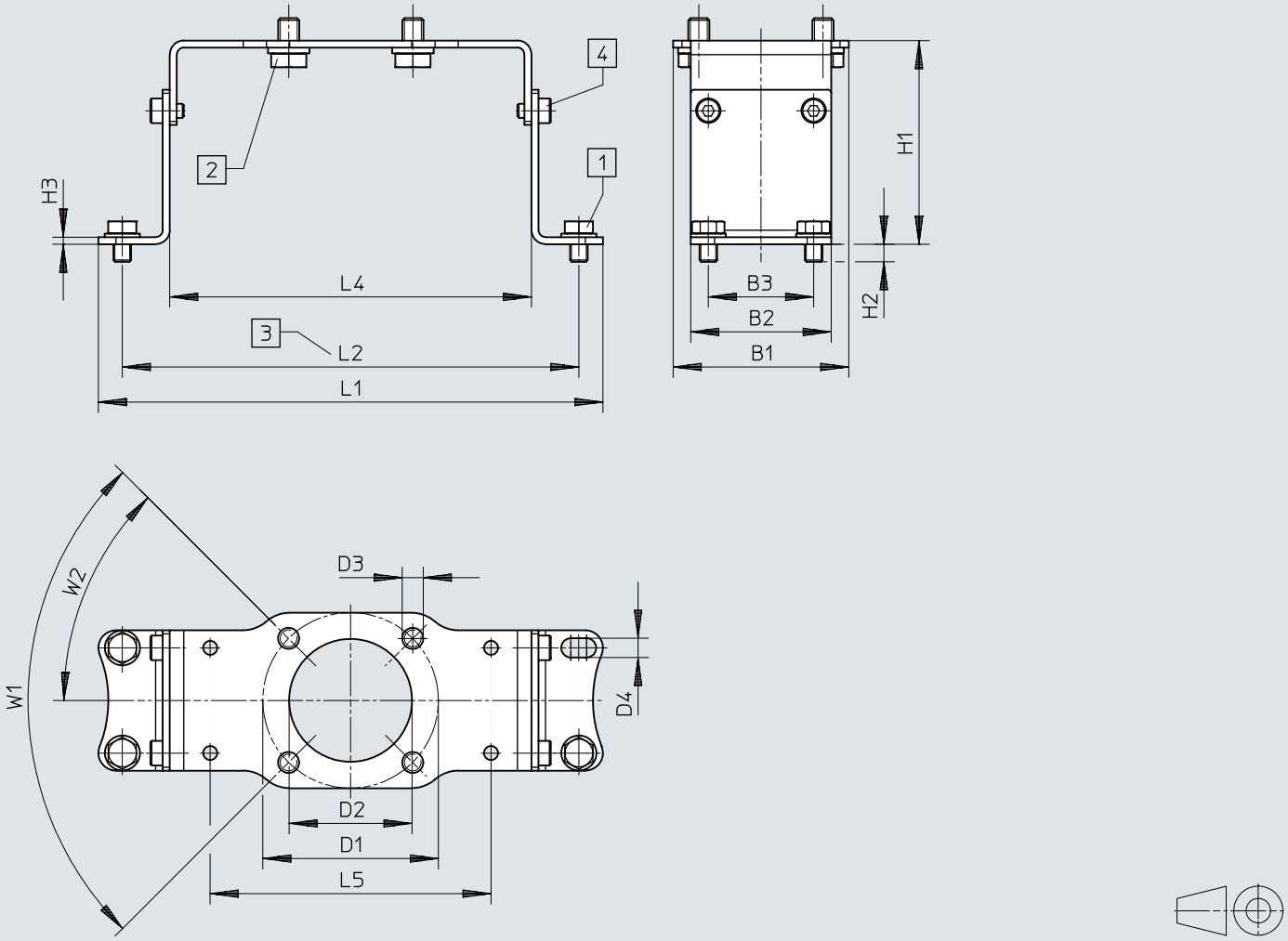


[1] Screw ISO 4017 M5x8
[2] Screw GB9074.12 M6x10
[3] Hole pattern F05 to VDI/VDE 3845, 130 mm with externally mounted mounting brackets
[4] Screw ISO 4762 M4x6

	B1	B2	B3	D1 ø	D2 ø	D3 ø	D4 ø	H1 +0,5	H2	H3	L1	L2	W1	W2
DARQ-K-X1-A3-F05-20-R1	50	40	30	50	35	6	5,5	30	5	2	107	80	90°	45°

Dimensions

Dimensions – Mounting flange adapter DARQ-K-X1-A3-F05-50-R1 Download CAD data www.festo.com



[1] Screw ISO 4017 M5x8
[2] Screw GB9074.12 M6x10
[3] Hole pattern F05 to VDI/VDE 3845, 80 mm with internally mounted mounting brackets
[4] Screw ISO 4762 M4x6

	B1	B2	B3	D1 ø	D2 ø	D3 ø	D4 ø	H1 +0,5	H2	H3	L1	L2	L4	L5	W1	W2
DARQ-K-X1-A3-F05-50-R1	50	40	30	50	35	6	5,5	58	5	2	143,7	130	103	80	90°	45°

Ordering data

Sensor principle [MW] contact potential-free, change-over switch

	Mechanical interface	Nominal operating voltage	Cable fitting	EX certification EU	Part no.	Type
	Mounting adapter, hole pattern 30x80 mm, shaft height 20 mm	24 V DC	Without	None	**8137099**	**SRBC-CA3-YR90-MW-1-1WG-M12**
					8137098	**SRBC-CA3-YR90-MW-1-1W-M12**
				II 1GD	**8137093**	**SRBC-CA3-YR90-MW-1-1WG-C2-EX6**
		230 V AC	M20x1.5, polymer	None	**3482805**	**SRBC-CA3-YR90-MW-22A-1W-C2P20**
	Flexible mounting flange adapter according to standard VDI/VDE 3845	24 V DC	Without		**8137102**	**SRBC-CA4-YR90-MW-1-1W-M12**
				II 1GD	**8137095**	**SRBC-CA4-YR90-MW-1-1WG-C2-EX6**
		230 V AC		None	**8137094**	**SRBC-CA4-YR90-MW-22A-1W-C2**
	EN ISO 5211 / F05	24 V DC		II 1GD	**8137104**	**SRBC-CA5-YR90-MW-1-1WG-C2-EX6**
		230 V AC		None	**8137103**	**SRBC-CA5-YR90-MW-22A-1W-C2**

Sensor principle [R] contact (reed)

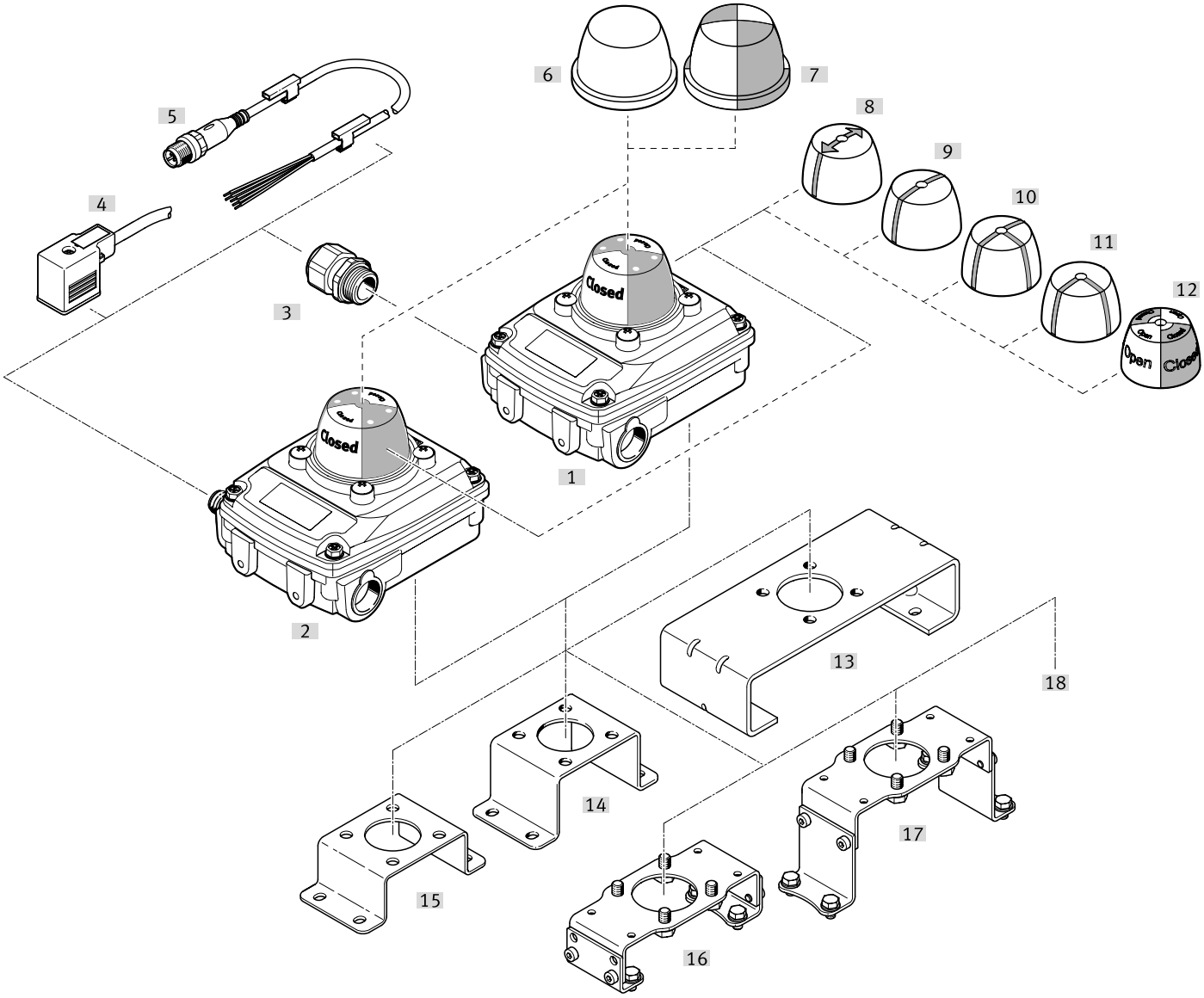
	Mechanical interface	Nominal operating voltage	Cable fitting	EX certification EU	Part no.	Type
	Mounting adapter, hole pattern 30x80 mm, shaft height 20 mm	110 V AC/50-60 Hz	M20x1.5, polymer	None	**3482811**	**SRBC-CA3-YR90-R-2A-1W-C2P20**

Inductive

	Mechanical interface	Nominal operating voltage	Cable fitting	EX certification EU	Part no.	Type
	Mounting adapter, hole pattern 30x80 mm, shaft height 20 mm	24 V DC	Without	None	**8137101**	**SRBC-CA3-YR90-N-1-P-M12**
			M20x1.5, polymer		**3482808**	**SRBC-CA3-YR90-N-1-P-C2P20**
					3482809	**SRBC-CA3-YR90-N-1-N-C2P20**
					3482810	**SRBC-CA3-YR90-N-1-ZU-C2P20**
		8.2 V DC (NAMUR)	Without		**8137100**	**SRBC-CA3-YR90-N-20N-ZC-M12**
			M20x1.5, polymer	II 1GD	**3482807**	**SRBC-CA3-YR90-N-20N-ZC-C2P20-EX6**
	Flexible mounting flange adapter according to standard VDI/VDE 3845	24 V DC	Without	None	**8137097**	**SRBC-CA4-YR90-N-1-P-C2**
		8.2 V DC (NAMUR)		II 1GD	**8137096**	**SRBC-CA4-YR90-N-20N-ZC-C2-EX6**
	EN ISO 5211 / F05	24 V DC		None	**8137106**	**SRBC-CA5-YR90-N-1-P-C2**
		8.2 V DC (NAMUR)		II 1GD	**8137105**	**SRBC-CA5-YR90-N-20N-ZC-C2-EX6**

Peripherals overview

Peripherals overview



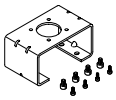
Accessories			→ Page/Internet
	Type/order code	Description	
[1]	Limit switch box SRBC	• Measuring principle electromechanical and magnetic reed • Inductive	srbc
[2]	Limit switch box SRBC-...-M12	Electrical connection M12 plug, A-coded	srbc
[3]	Cable connector NETC-P-M20	• For limit switch box variants SRBC-...-M12-... • M20x1.5 polymer cable connector included in the scope of delivery of the limit switch box • Additional cable connectors can be ordered separately as accessories	
[4]	Connecting cables NEBV	• For valve connection for limit switch boxes with terminal connection • Angled socket, plug pattern form A, EN 175301-803 or plug pattern form B, according to industrial standard 11 mm • Can be ordered separately as accessories	27
[5]	Connecting cables NEBU	• For valve connection for limit switch boxes with terminal connection • Angled socket, plug pattern type B according to industry standard, 11 mm • Can be ordered separately as accessories	27
[6]	Protective cap SACC-S4-T-T	Mounted on the SRBC and protects the position indicator SASF	27
[7]	Protective cap SACC-S4-T	Mounted on the SRBC and protects the position indicator SASF	27
[8]	Position indicator SASF-S4-DE-A1	Arrow, 180°	26
[9]	Position indicator SASF-S4-DE-A2	I-version	26
[10]	Position indicator SASF-S4-DE-A3	T-version	26
[11]	Position indicator SASF-S4-DE-A4	L-version	27
[12]	Position indicator SASF-S4-DE	Yellow/red	26

Peripherals overview

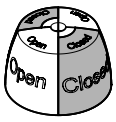
Accessories			→ Page/Internet
	Type/order code	Description	
[13]	Mounting flange adapter DARQ-K-X1-A2-F05-30-R1	• Mounting flange adapter for mounting limit switch boxes to quarter turn actuators with hole pattern 30x130 mm, shaft height 30 mm • Can be ordered separately as accessories	26
[14]	Mounting flange adapter DARQ-K-X1-A1-F05-30-R1	• Mounting flange adapter for mounting limit switch boxes to quarter turn actuators with hole pattern 30x80 mm, shaft height 30 mm • Can be ordered separately as accessories	26
[15]	Mounting flange adapter DARQ-K-X1-A1-F05-20-R1	• For limit switch box variants SRBC-CA3-... included in the scope of delivery and pre-assembled • Mounting flange adapter for mounting limit switch boxes to quarter turn actuators with hole pattern 30x80 mm, shaft height 20 mm	26
[16]	Mounting flange adapter DARQ-K-X1-A3-F05-20-R1	• For limit switch box variants SRBC-CA4-... included in the scope of delivery and pre-assembled • Mounting flange adapter for mounting limit switch boxes to quarter turn actuators with hole pattern 30x80 or 30x130 mm, shaft height 20 mm	26
[17]	Mounting flange adapter DARQ-K-X1-A3-F05-50-R1	• Mounting flange adapter for mounting limit switch boxes to quarter turn actuators with hole pattern 30x80 or 30x130 mm, shaft height 50 mm • Can be ordered separately as accessories	26
[18]	Mechanical interface according to ISO 5211/ flange hole pattern F05	• For limit switch box variants SRBC-CA5-... • Electrical connection screw terminal • Without cable connector and blanking plug • Without pre-assembled mounting flange adapter	srbc

Accessories

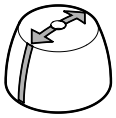
Mounting flange adapter DARQ

	Connection point for positioner and position sensor conforms to standard	Size	Product weight	Part no.	Type
	VDI/VDE 3845 Size AA 1	20	113 g	**3636269**	**DARQ-K-X1-A1-F05-20-R1**
	VDI/VDE 3845 Size AA 1, VDI/VDE 3845 Size AA 2, VDI/VDE 3845 Size AA 3		148 g	**8137187**	**DARQ-K-X1-A3-F05-20-R1**
	VDI/VDE 3845 Size AA 2	30	129 g	**3636270**	**DARQ-K-X1-A1-F05-30-R1**
	VDI/VDE 3845 Size AA 3		397 g	**3886114**	**DARQ-K-X1-A2-F05-30-R1**
	VDI/VDE 3845 Size AA 4	50	174 g	**8137188**	**DARQ-K-X1-A3-F05-50-R1**

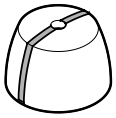
Position indicator SASF-S4-DE

	Position indicator	Ambient temperature	Cap material	Note on materials	Part no.	Type
	Yellow/red	-40 ... 80 °C	PA	RoHS compliant	**8137192**	**SASF-S4-DE**

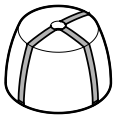
Position indicator SASF-S4-DE-A1

	Position indicator	Ambient temperature	Cap material	Note on materials	Part no.	Type
	Arrow, 180°	-40 ... 80 °C	PA	RoHS compliant	**8137191**	**SASF-S4-DE-A1**

Position indicator SASF-S4-DE-A2

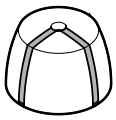
	Position indicator	Ambient temperature	Cap material	Note on materials	Part no.	Type
	I-version	-40 ... 80 °C	PA	RoHS compliant	**8137190**	**SASF-S4-DE-A2**

Position indicator SASF-S4-DE-A3

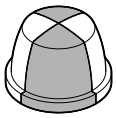
	Position indicator	Ambient temperature	Cap material	Note on materials	Part no.	Type
	T-version	-40 ... 80 °C	PA	RoHS compliant	**8137195**	**SASF-S4-DE-A3**

Accessories

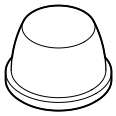
Position indicator SASF-S4-DE-A4

	Position indicator	Ambient temperature	Cap material	Note on materials	Part no.	Type
	L-version	-40 ... 80 °C	PA	RoHS compliant	**8137189**	**SASF-S4-DE-A4**

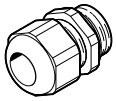
Protective cap SACC-S4-T

	Color	Cover cap material	Note on materials	LABS (PWIS) conformity	Part no.	Type
	transparent black	PC	RoHS compliant	VDMA24364 Zone III	**8137193**	**SACC-S4-T**

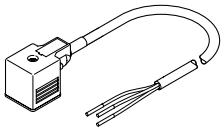
Protective cap SACC-S4-T-T

	Color	Cover cap material	Note on materials	LABS (PWIS) conformity	Part no.	Type
	Transparent	PC	RoHS compliant	VDMA24364 Zone III	**8137194**	**SACC-S4-T-T**

Cable connector NETC

	Connection technology 1	Note on materials	Part no.	Type
	M20x1.5	RoHS compliant	**8151587**	**NETC-M20-PBU-T26-EX4-E**
			568279	**NETC-M-M20-KA**

Connecting cables NEBV

	Electrical connection 1, connection technology	Additional functions	Part no.	Type
	Connection diagram form A based on EN 175301-803		**3579466**	**NEBV-A1W3-K-0.6-N-LE3**
		Protective circuit	**3679776**	**NEBV-A1W3F-P-K-0.6-N-LE3**
	Connection diagram form B as per industrial standard, 11 mm		**3579468**	**NEBV-B2W3-K-0.6-N-LE3**
		Protective circuit	**3679778**	**NEBV-B2W3F-P-K-0.6-N-LE3**

Plug socket with cable 8-pin, M12 - open cable end, 8-wire

	Cable characteristic	Cable length	Electrical connection 1, cable outlet [1)]	Part no.	Type
	Standard	2 m	Straight	**525616**	**SIM-M12-8GD-2-PU**
			Angled	**542256**	**NEBU-M12W8-K-2-N-LE8**
		5 m	Straight	**525618**	**SIM-M12-8GD-5-PU**
			Angled	**542257**	**NEBU-M12W8-K-5-N-LE8**
		10 m	Straight	**570008**	**SIM-M12-8GD-10-PU**
			Angled	**570007**	**NEBU-M12W8-K-10-N-LE8**
		15 m	Straight	**5105631**	**SIM-M12-8GD-15-PU**
			Angled	**8048086**	**NEBU-M12W8-K-15-N-LE8**
		20 m	Straight	**5105632**	**SIM-M12-8GD-20-PU**

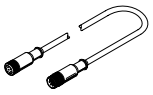
Accessories

Plug socket with cable 8-pin, M12 - open cable end, 8-wire

	Cable characteristic	Cable length	Electrical connection 1, cable outlet [1]	Part no.	Type
	Standard	25 m	Straight	**5105633**	**SIM-M12-8GD-25-PU**

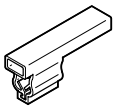
1) Observe the operating voltage range and ambient temperature!

Plug socket with cable 8-pin, M12 - plug, 8-pin, M12

	Cable length	Electrical connection 1, cable outlet [1]	Part no.	Type
	2 m	Straight	**525617**	**KM12-8GD8GS-2-PU**

1) Observe the operating voltage range and ambient temperature!

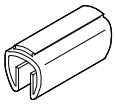
Inscription label holder

	Description	Length	Width	Height	Part no.	Type
	for cable diameter 1.7 ... 3 mm	23 mm	5.4 mm	10.1 mm	**8078305**	**NEAU-LH-1**
	for cable diameter 2.5 ... 3.5 mm			10.3 mm	**8078306**	**NEAU-LH-2**
	for cable diameter 3.3 ... 4.8 mm			11.6 mm	**8078307**	**NEAU-LH-3**
	for cable diameter 4.2 ... 5.6 mm			12.1 mm	**8143238**	**NEAU-LH-4**

Inscription label ASLR

	Description	Part no.	Type
	Inscription label for inscription label holder NEAU	**541598**	**ASLR-L-423**

Inscription label KM

	Description	Part no.	Type
	For attaching to a cable with diameter 5 ... 8 mm	**33361**	**KM-BZ**