Limit switch box SRBC

FESTO

Characteristics

At a glance

Limit switch boxes SRBC are used for electrical feedback and control of the position of process valves actuated using pneumatic quarter turn actuators. They can be mounted quickly and easily on quarter turn actuators with connection pattern according to VDI/VDE 3845 using mounting flange adapters. The sturdy design of the limit switch box SRBC is ideal for the harsh conditions in process automation.

Mechanical interface

Using the pre-assembled mounting adapter (80x30 in heights of 20 and 30 mm), the limit switch box can be mounted quickly and easily on quarter turn actuators with port patterns to VDI/VDE 3845. There are also variants without a mounting adapter so that other interfaces and products such as valves or gear units can be operated.

[A3]	Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm
[A4]	Flexible mounting adapter to standard VDI/VDE 3845
[A5]	EN ISO 5211 / F05

Display type

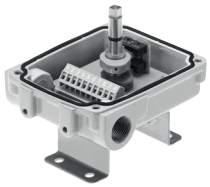
[YR]	Position indicator yellow/red

Clearly visible 3D position indicator enables the current position of the quarter turn actuator to be quickly identified

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

Characteristics

Sensor principle



[MW] Floating contact, changeover contact

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 contacts (reed)

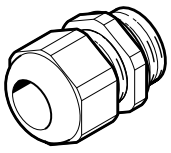
SRBC-...-R-2A-1W-...
Switching output contact, toggle switch single-pole (SPDT)
- Switch type Hamlin 59140-030

Cable connector

Cable connector and blanking plug for 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 boxes	

003	Mechanical interface	
A3	Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm	
A4	Flexible mounting adapter 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 contact	
N	Proximity sensor, inductive	
R	With contacts (reed)	

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 N/C contact	
ZU	2-wire N/O contact	

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

010	Cable connector	
	Without	
P20	M20x1.5, polymer	

011	EX certification EU	
	None	
EX6	II 1GD	

Datasheet

General technical data - Sensor principle [MW] potential-free contact, change-over switch			
Mechanical interface	Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm [A3]	Flexible mounting adapter to standard VDI/VDE 3845 [A4]	EN ISO 5211 / F05 [A5]
Setting range of angular detection	0 ... 90 deg		
Position indicator	Yellow/red		
Housing colour	Grey		
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	–
Mounting position	Any		
Type of mounting	–		on flange according to ISO 5211
Product weight	800 g		

Electrical characteristics - Sensor principle [MW] potential-free contact, 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
Microswitch type	Omron SS-5		Omron D2SW-01L1T
Switching output	conventional		Contacting (gold)
Measuring principle	mechanical/electrical		
Switching element function	Toggle switch, single-pin		
Operational voltage range AC	–	0 ... 230 V	–
Max. output current AC	–	3 A	–
Operational voltage range DC	0 ... 30 V		
Max. output current DC	2 A	3 A	100 mA
Max. input voltage Ui	–		30 V
Effective internal inductivity Li	–		Negligibly low
Effective internal capacitance Ci	–		Negligibly low
Max. intrinsically safe circuit input parameter	–		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
Microswitch type	Hamlin 59140-030
Switching output	conventional
Measuring principle	Magnetic reed
Switching element function	Toggle switch, single-pin
Operational voltage range AC	0 ... 120 V
Max. output current AC	0.18 A
Operational voltage range DC	0 ... 175 V
Max. output current DC	0.25 A
Certificate issuing authority	Eurocert. SIL202587141

Datasheet

Electrical characteristics - sensor principle [N] proximity switch, inductive				
Electrical output 1	NPN [N]	PNP [P]	2-wire N/C contact [ZC]	2-wire N/O contact [ZU]
Nominal operating voltage	24 V DC [1]		8.2 V DC (Namur) [20N]	24 V DC [1]
Switching output	NPN	PNP	NAMUR	Contactless, 2-wire
Microswitch type	P&F NBB2-V3-E0	P&F NBB2-V3-E2	P&F NCB2-V3-N0	P&F NBB3-V3-Z4
Measuring principle	Inductive			
Switching element function	N/O contact		N/C contact	N/O contact
Max. switching frequency	1,000		2,000	
Operational voltage range DC	10 ... 30 V		8.2 V	5 ... 60 V
Max. input voltage Ui	–		16 V	–
Max. output current DC	100 mA		3 mA	100 mA
Voltage drop	≤3 V		–	≤4 V
No-load supply current	≤15 mA		–	
Off-state current	0 ... 0.5 mA			0 ... 1 mA
Min. load current	–			4 mA
Effective internal inductivity Li	–		100 µH	–
Effective internal capacitance Ci	–		100 nF	–
Max. intrinsically safe circuit input parameter [1]	–		See IECEx certificate See ATEX certificate	–
Certificate issuing authority	Eurocert. SIL202587141		Eurocert. SIL202587141 FTZU 17 ATEX 0105X GYJ20.1409X IECEx FTZU 17.0017X	Eurocert. SIL202587141
Reverse polarity protection	For all electrical connections		–	For all electrical connections
Short circuit current rating	Pulsed		–	

1) More information www.festo.com/catalogue/srbc → Downloads

Electromechanics - Sensor principle [MW] potential-free contact, change-over switch		
Electrical connection 1, connector system	Spring-loaded terminal	M12x1, A-coded to EN 61076-2-101
Electrical output 1	1-pin toggle switch, 1-pole changeover switch (gold contact)	
Cable fitting	M20x1.5	–
Permissible cable diameter	5 ... 13 mm	
Electrical connection 1, connection type	Terminal strip	Plug
Electrical connection 1, cable outlet	Straight	
Electrical connection 1, design	–	Round
Electrical connection 1, number of connections/cores	10	8
Electrical connection 1, used connections/cores	8	
Connectable nominal cross section conductor	0.25 ... 2.5 mm²	
Material cable gland	PA	–
Material blanking plug	PA	–

Datasheet

Electromechanics - Sensor principle [R] contacting (reed)	
Electrical connection 1, connector system	Spring-loaded terminal
Cable fitting	M20x1.5
Permissible 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, number of connections/cores	10
Electrical connection 1, used connections/cores	8
Connectable nominal cross section conductor	0.25 ... 2.5 mm²
Material cable gland	PA
Material blanking plug	PA

Electromechanics - Sensor principle [N] proximity switch, inductive		
Electrical connection 1, connector system	Spring-loaded terminal	M12x1, A-coded to EN 61076-2-101
Cable fitting	M20x1.5	–
Permissible cable diameter	5 ... 13 mm	
Electrical connection	Screw terminal	M12
Connectable nominal cross section conductor	0.25 ... 2.5 mm²	
Material cable gland	PA	–
Material blanking plug	PA	–

Datasheet

Operating and environmental conditions - sensor principle [MW] potential-free contact, change-over switch		
Switching output	conventional	Contacting (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 to FN 942017-5 and EN 60068-2-27	
Vibration resistance [2]	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6	
Corrosion resistance class CRC	0 - No corrosion stress	
Pollution degree	3	
Safety Integrity Level (SIL)	SIL 3	
CE mark (see declaration of conformity) [3]	To EU EMC Directive To EU Low Voltage Directive In accordance with EU RoHS Directive	To EU EMC Directive To EU Explosion Protection Directive (ATEX) In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC, To UK RoHS instructions, To UK regulations for electrical equipment	To UK instructions for EMC, To UK EX instructions, To UK RoHS instructions
KC mark	KC-EMV	–
Approval	c CSA us (OL)	–
ATEX category gas	–	II 1G
Explosion ignition protection type for gas	–	Ex ia IIC T6/T5 Ga
ATEX category dust	–	II 1D
Explosion ignition protection type for dust	–	Ex ia IIIC Txx°C Da
Explosion 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) More information www.festo.com/catalogue/srbc → Downloads

Datasheet

Operating and environmental conditions - sensor principle [R] contacting (reed)	
Switching output	conventional
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 to FN 942017-5 and EN 60068-2-27
Vibration resistance [2]	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Corrosion resistance class CRC	0 - No corrosion stress
Pollution degree	3
Safety Integrity Level (SIL)	SIL 3
CE mark (see declaration of conformity) [3]	To EU Low Voltage Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions, To UK regulations for electrical equipment
KC mark	KC-EMV
Approval	c CSA us (OL)
ATEX category gas	–
Explosion ignition protection type for gas	–
ATEX category dust	–
Explosion ignition protection type for dust	–
Explosion ambient temperature	–
Explosion protection certification outside the EU	–

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

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

3) More information www.festo.com/catalogue/srbc → Downloads

Datasheet

Operating and environmental conditions - sensor principle [N] proximity switch, inductive				
Switching output	NAMUR	NPN	PNP	Contactless, 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 to FN 942017-5 and EN 60068-2-27			
Vibration resistance [2]	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6			
Corrosion resistance class CRC	0 - No corrosion stress			
Pollution degree	3			
CE mark (see declaration of conformity) [3]	To EU EMC Directive To EU Explosion Protection Directive (ATEX) In accordance with EU RoHS Directive	To EU EMC Directive In accordance with EU RoHS Directive		
UKCA marking (see declaration of conformity)	To UK instructions for EMC, To UK EX instructions, To UK RoHS instructions	To UK instructions for EMC, To UK RoHS instructions		
KC mark	KC-EMV			
Approval	RCM c CSA us (OL)			
ATEX category gas	II 1G	–		
Explosion ignition protection type for gas	Ex ia IIC T6/T5 Ga	–		
ATEX category dust	II 1D	–		
Explosion ignition protection type for dust	Ex ia IIIC Txx°C Da	–		
Explosion 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) More information www.festo.com/catalogue/srbc → Downloads

Materials - Sensor principle [MW] potential-free contact, change-over switch		
Electrical connection 1, connector system	Spring-loaded terminal	M12x1, A-coded to EN 61076-2-101
Switching output	conventional, Contacting (gold)	
Material housing	Die-cast aluminium	
Material cover cap	Makrolon®	
Material mounting bracket	High-alloy stainless steel	
Material shaft	High-alloy stainless steel	
Material snap ring	High-alloy stainless steel	
Material disc	High-alloy stainless steel	
Material screws	High-alloy stainless steel	
Material seals	NBR, VMQ (silicone)	
Material indicator	Makrolon®	–
Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364 zone III	

Datasheet

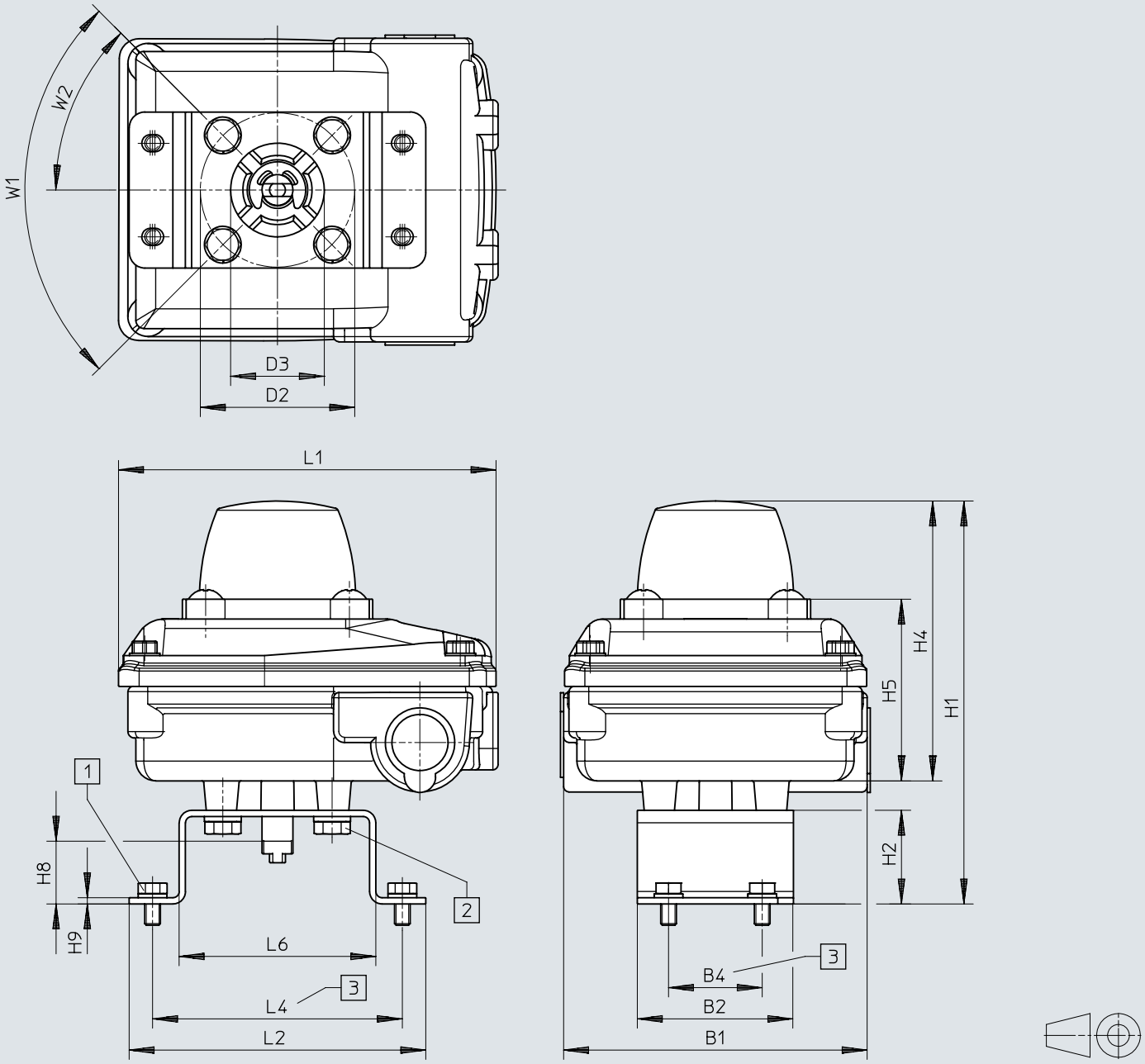
Materials - Sensor principle [R] contacting (reed)	
Switching output	conventional
Material housing	Die-cast aluminium
Material cover cap	Makrolon®
Material mounting bracket	High-alloy stainless steel
Material shaft	High-alloy stainless steel
Material snap ring	High-alloy stainless steel
Material disc	High-alloy stainless steel
Material screws	High-alloy stainless steel
Material seals	NBR
Material indicator	Makrolon®
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 zone III

Materials - Sensor principle [N] proximity switch, inductive	
Material housing	Die-cast aluminium
Material cover cap	Makrolon®
Material mounting bracket	High-alloy stainless steel
Material shaft	High-alloy stainless steel
Material snap ring	High-alloy stainless steel
Material disc	High-alloy stainless steel
Material screws	High-alloy stainless steel
Material seals	NBR
Material indicator	Makrolon®
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 zone III

Dimensions

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

Download CAD data www.festo.com



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

Dimensions

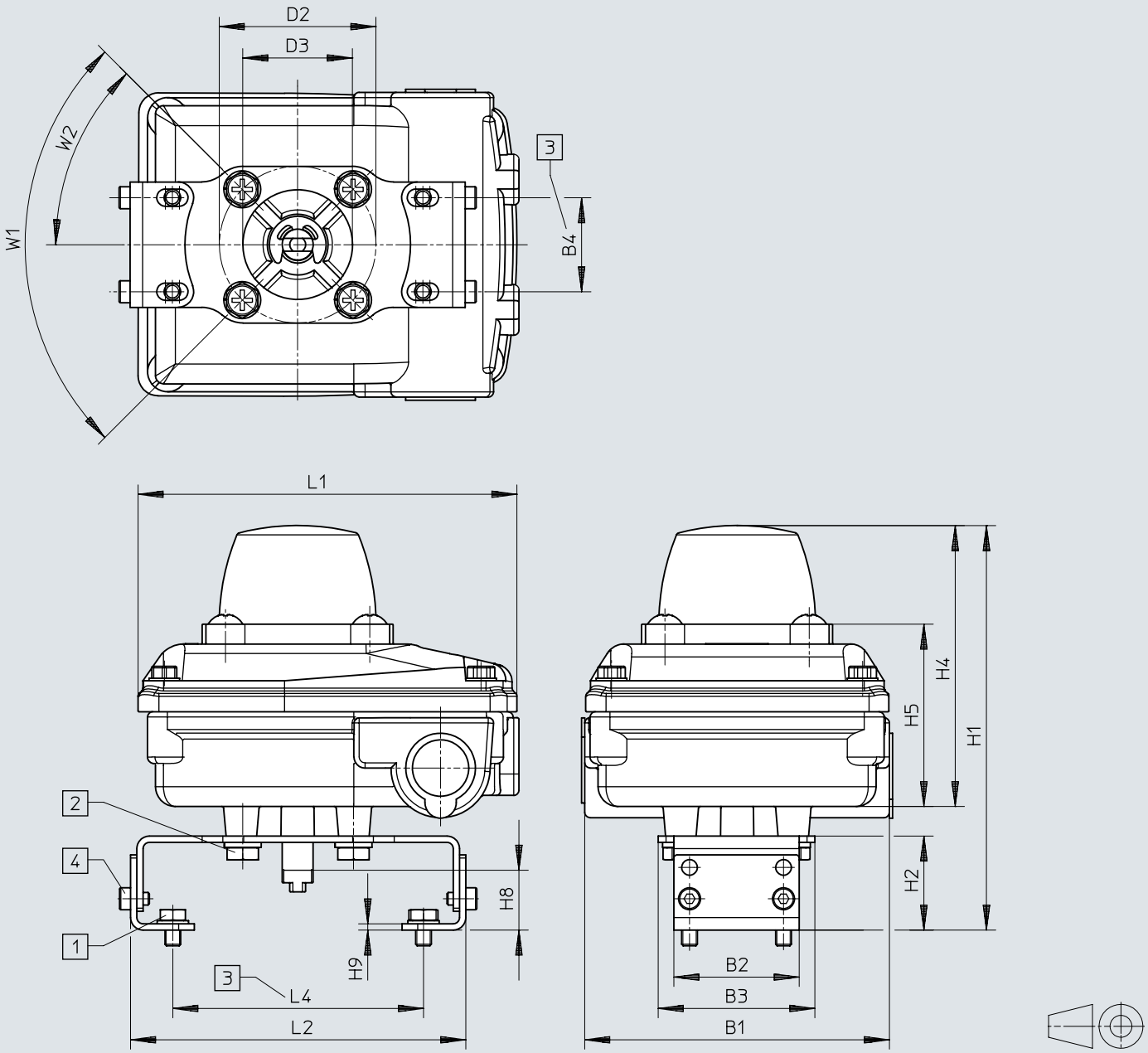
		B1	B2	B4	D2 ø	D3 ø	H1	H2 +0,5	H4
SRBC-CA3-YR90-...	DARQ-K-X1-A1-F05-20-R1	98	50	30	50	30	129	30	90
	DARQ-K-X1-A1-F05-30-R1						139	40	

		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-assembled flexible mounting adapter, 30x80 mm or 30x130 mm

Download CAD data www.festo.com



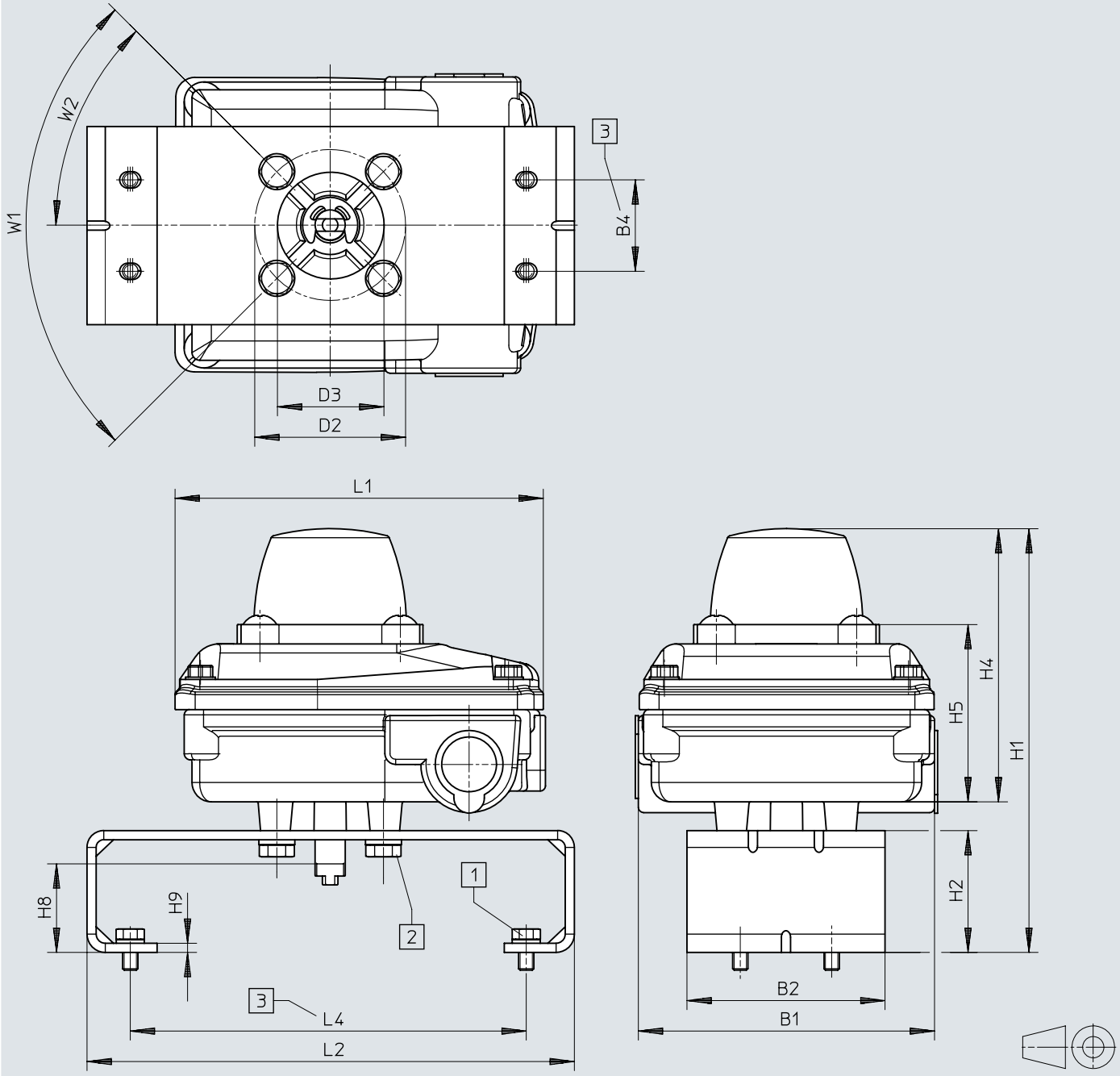
[1] Screw ISO 4017 M5x8
[2] Screw GB9074.12 M6x10
[3] To VDI/VDE 3845
[4] Screw ISO 4762 M4x6

		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 adapter according to EN ISO 5211/F05
can be ordered as an accessory

Download CAD data www.festo.com



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

Dimensions

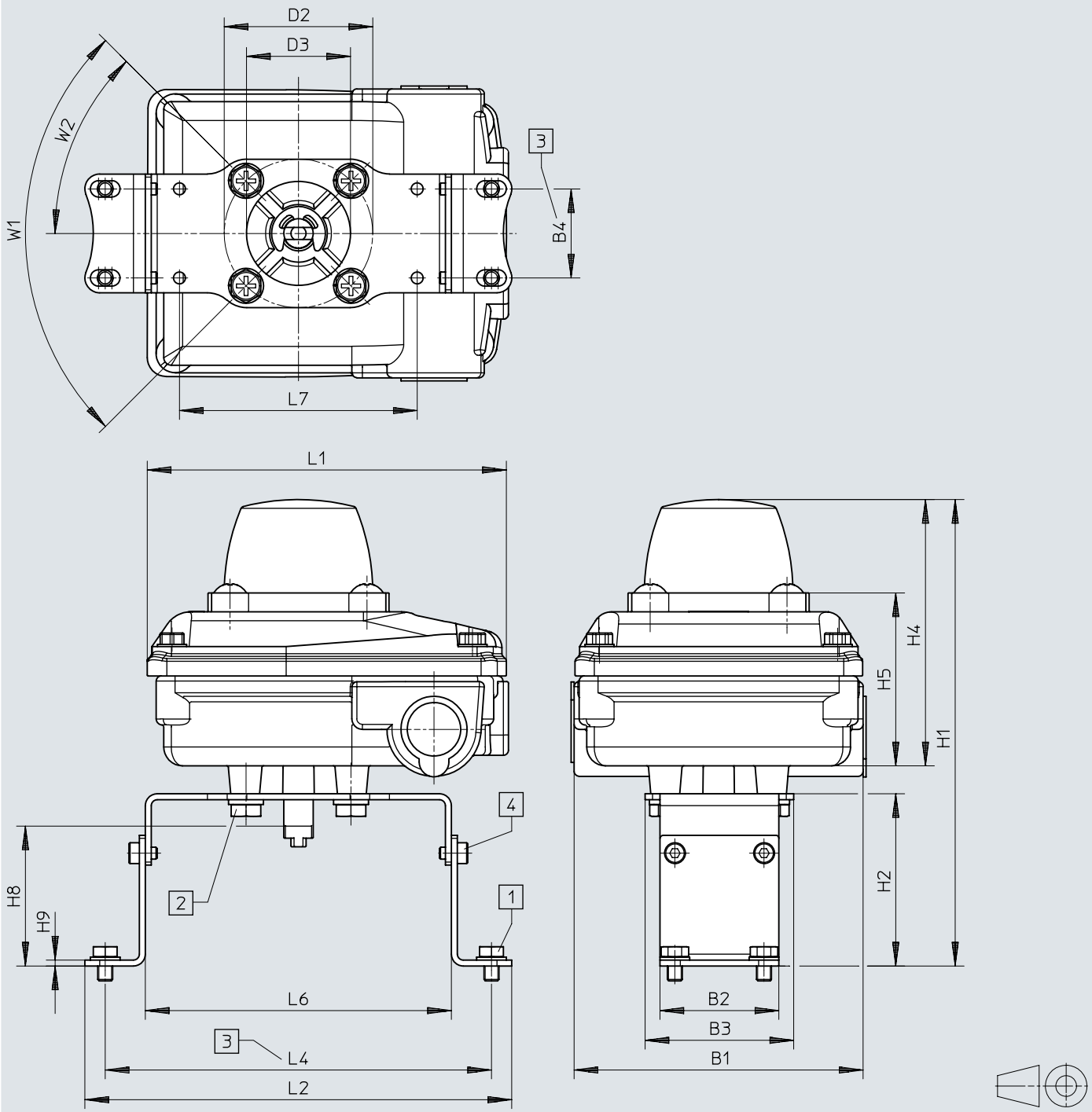
		B1	B2	B4	D2 Ø	D3 Ø	H1	H2 +0,5	H4
SRBC-CA5-YR90-...	DARQ-K-X1-A2-F05-30-R1	98	65	30	50	35	139	40	90

		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 adapter according to EN ISO 5211/F05
can be ordered as an accessory

Download CAD data www.festo.com



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

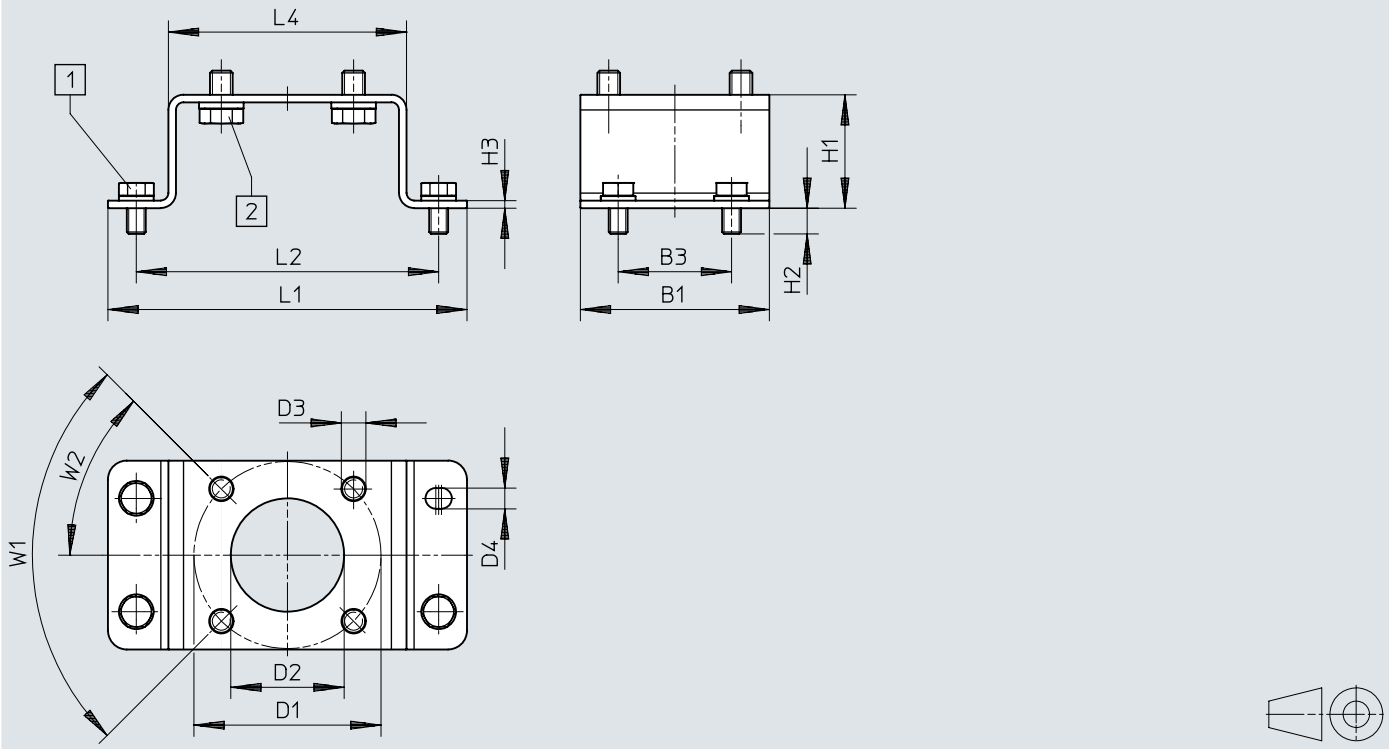
Dimensions

		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 adapter DARQ-K-X1-A1-F05-...-R1 Download CAD data www.festo.com

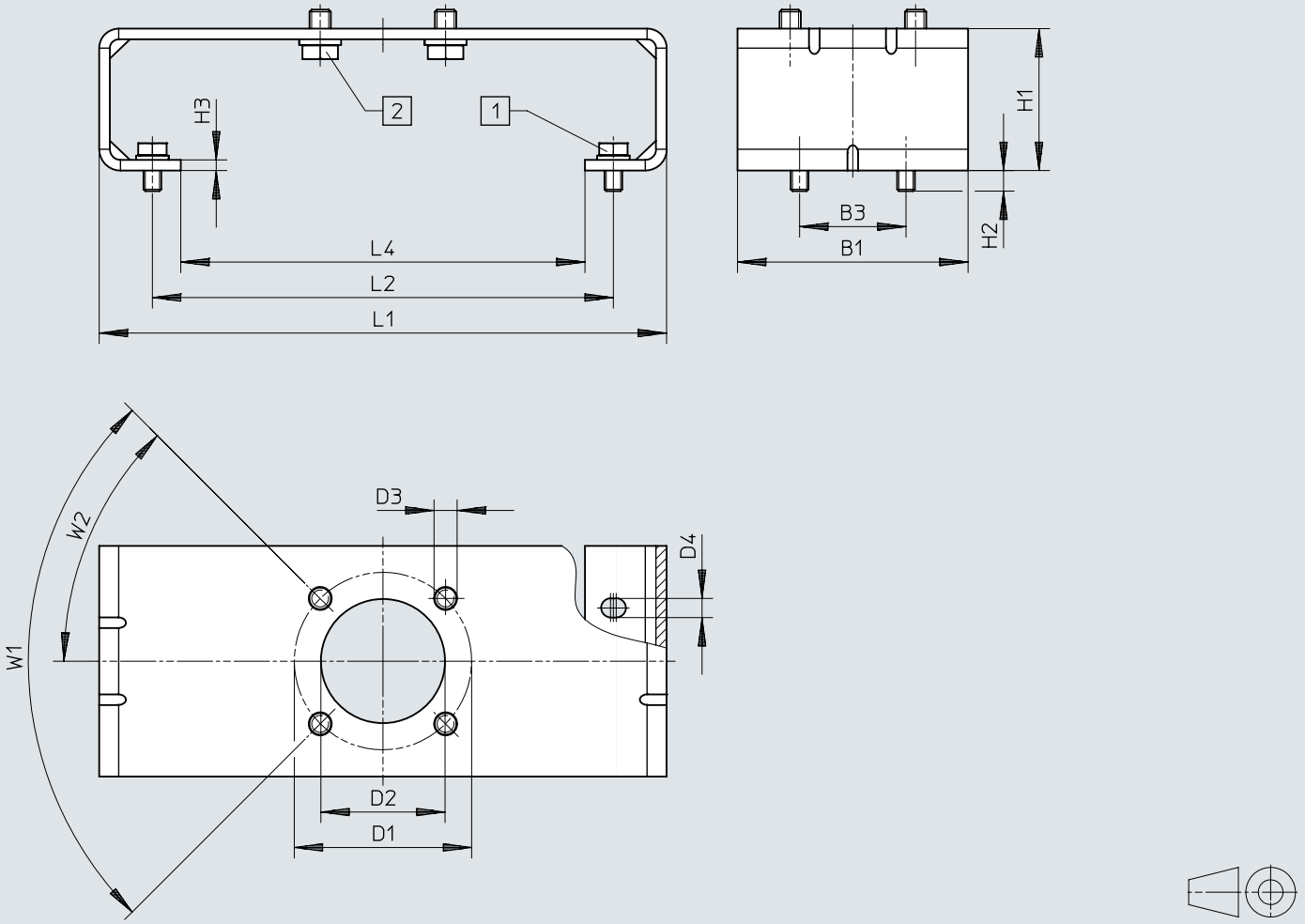


[1] Screw, M5x8 (4x)
[2] Screw, M6x10 (4x)

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

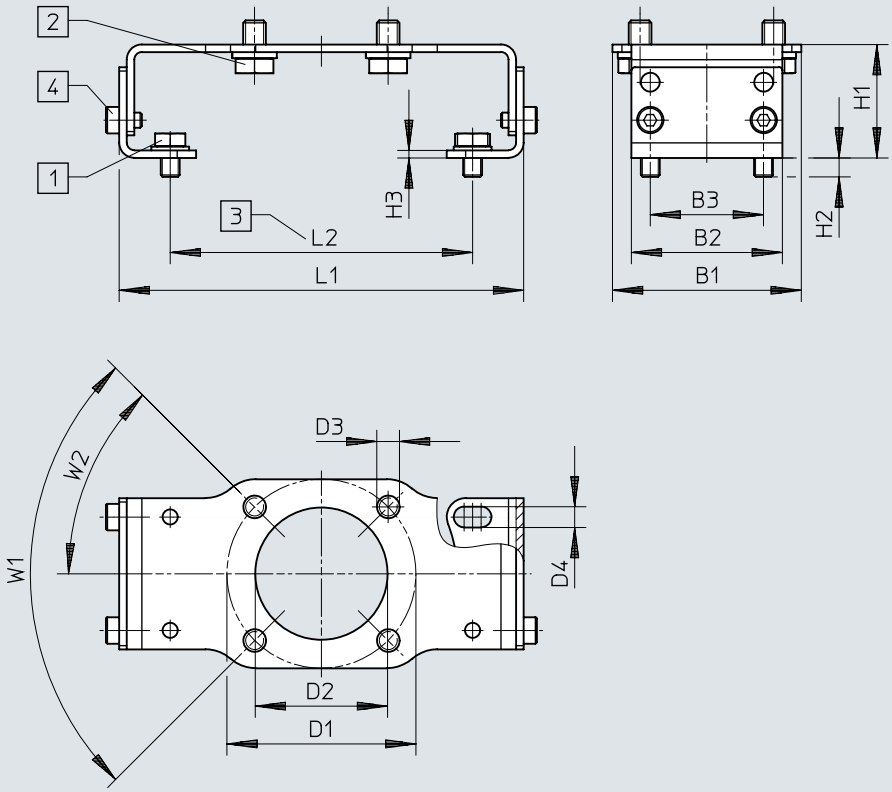


[1] M5x10 screw
[2] M6x10 screw

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

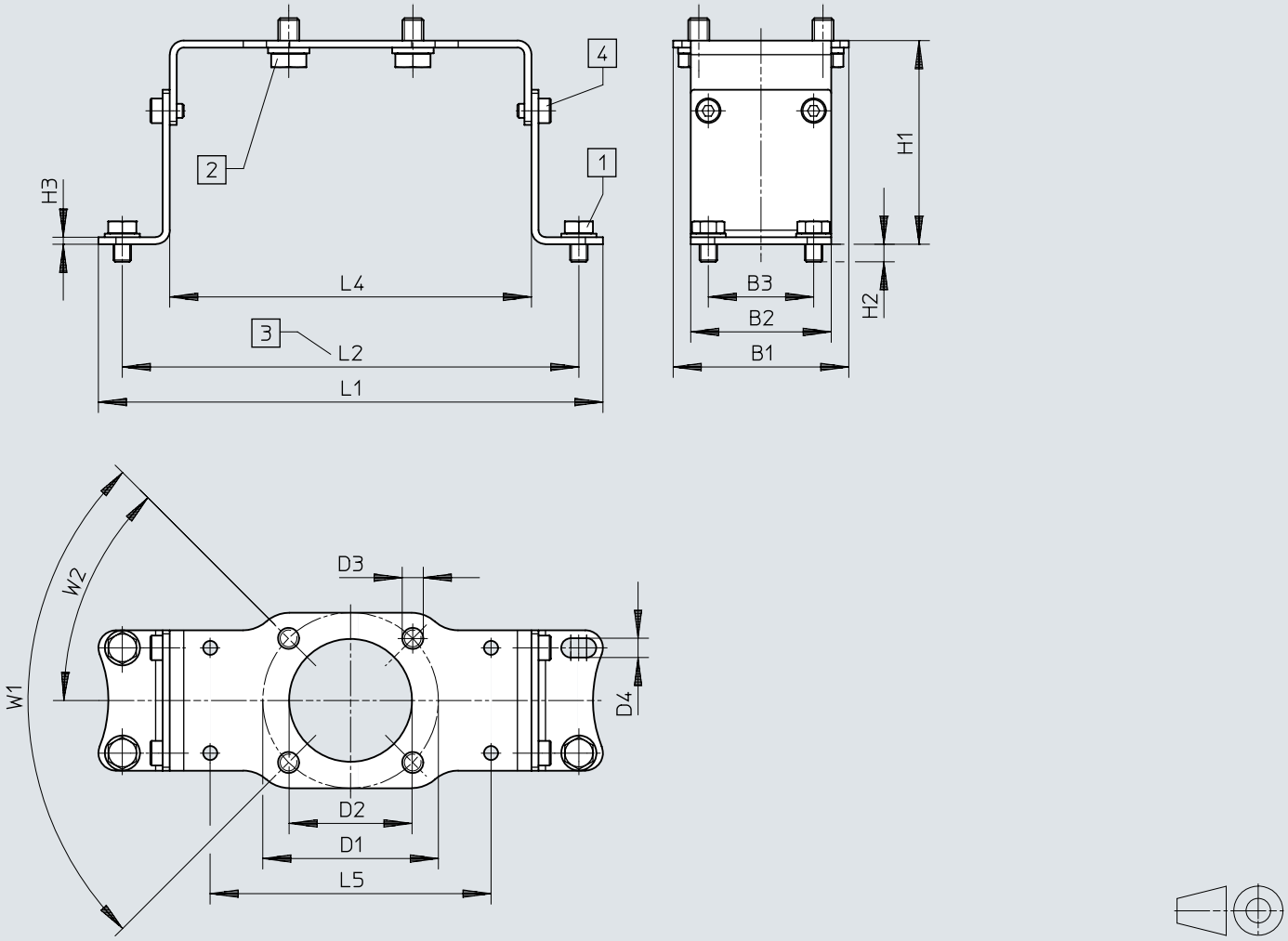


[1] Screw ISO 4017 M5x8
[2] Screw GB9074.12 M6x10
[3] Hole pattern F05 to VDI/VDE 3845, 130 mm with externally mounted mounting brackets
[4] Screw ISO 4762 M4x6

	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 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] potential-free contact, change-over switch

	Mechanical interface	Nominal operating voltage	Cable connector	EX certification EU	Part no.	Type
	Mounting adapter, hole pattern 30 x 80 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 adapter 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] contacting (reed)

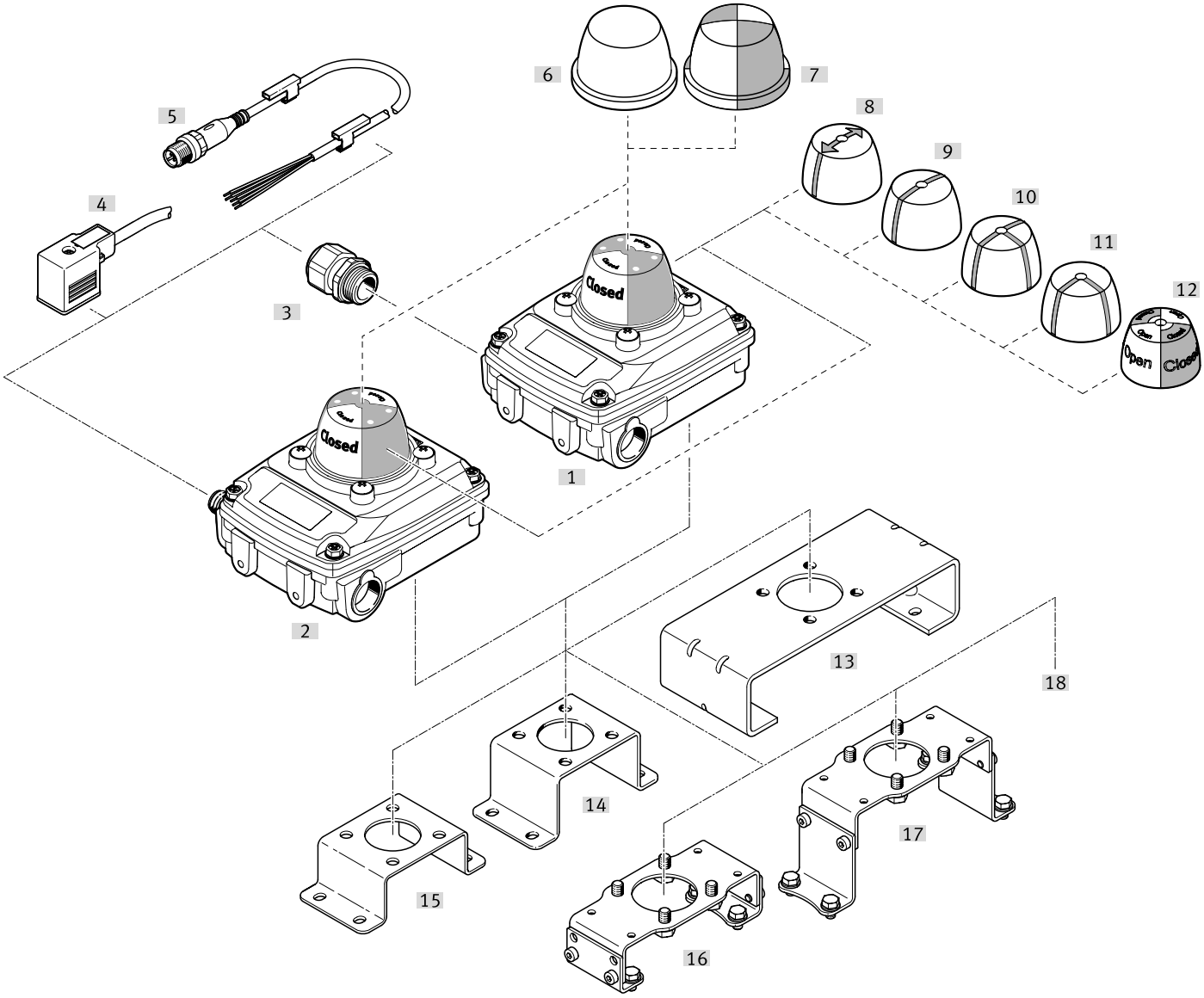
	Mechanical interface	Nominal operating voltage	Cable connector	EX certification EU	Part no.	Type
	Mounting adapter, hole pattern 30 x 80 mm, shaft height 20 mm	110 V AC/50-60 Hz	M20x1.5, polymer	None	**3482811**	**SRBC-CA3-YR90-R-2A-1W-C2P20**

Inductive

	Mechanical interface	Nominal operating voltage	Cable connector	EX certification EU	Part no.	Type
	Mounting adapter, hole pattern 30 x 80 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 adapter 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

Peripherals overview



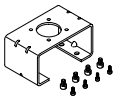
Accessories			→ Link
	Type/order code	Description	
[1]	Limit switch box SRBC	• Measuring principle electromechanical and magnetic reed • Inductive	srbc
[2]	Limit switch box SRBC-...-M12	Electrical connection M12 plug, A-coded	srbc
[3]	Cable connector NETC-P-M20	• For limit switch box variants SRBC-...-M12-... • 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 type A, EN 175301-803 or plug pattern type B, according to industrial standard 11 mm • Can be ordered separately as an accessory	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 an accessory	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

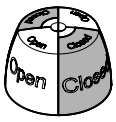
Accessories			→ Link
	Type/order code	Description	
[13]	Mounting adapter DARQ-K-X1-A2-F05-30-R1	• Mounting adapter for mounting limit switch boxes on semi-rotary drives with hole pattern 30x130 mm, shaft height 30 mm • Can be ordered separately as an accessory	26
[14]	Mounting adapter DARQ-K-X1-A1-F05-30-R1	• Mounting adapter for mounting limit switch boxes on semi-rotary drives with hole pattern 30x80 mm, shaft height 30 mm • Can be ordered separately as an accessory	26
[15]	Mounting 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 adapter for mounting limit switch boxes on semi-rotary drives with hole pattern 30x80 mm, shaft height 20 mm	26
[16]	Mounting 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 adapter for mounting limit switch boxes on semi-rotary drives with hole pattern 30x80 or 30x130 mm, shaft height 20 mm	26
[17]	Mounting adapter DARQ-K-X1-A3-F05-50-R1	• Mounting adapter for mounting limit switch boxes on semi-rotary drives with hole pattern 30x80 or 30x130 mm, shaft height 50 mm • Can be ordered separately as an accessory	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 adapter	srbc

Accessories

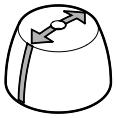
Mounting adapter DARQ

	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**

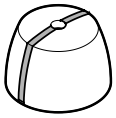
Position indicator SASF-S4-DE

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

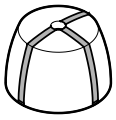
Position indicator SASF-S4-DE-A1

	Position indicator	Ambient temperature	Material cap	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

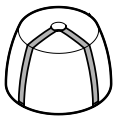
	Position indicator	Ambient temperature	Material cap	Note on materials	Part no.	Type
	I-version	-40 ... 80 °C	PA	RoHS compliant	**8137190**	**SASF-S4-DE-A2**

Position indicator SASF-S4-DE-A3

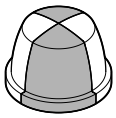
	Position indicator	Ambient temperature	Material cap	Note on materials	Part no.	Type
	T-version	-40 ... 80 °C	PA	RoHS compliant	**8137195**	**SASF-S4-DE-A3**

Accessories

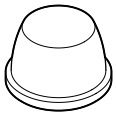
Position indicator SASF-S4-DE-A4

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

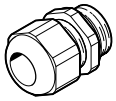
Protective cap SACC-S4-T

	Colour	Material cover cap	Note on materials	LABS (PWIS) conformity	Part no.	Type
	transparent black	Makrolon®	RoHS compliant	VDMA24364 zone III	**8137193**	**SACC-S4-T**

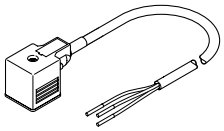
Protective cap SACC-S4-T-T

	Colour	Material cover cap	Note on materials	LABS (PWIS) conformity	Part no.	Type
	Transparent	Makrolon®	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, connector system	Additional functions	Part no.	Type
	Connection pattern type 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**
	Plug pattern type B to industry 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-core

	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**

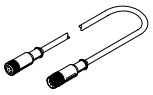
Accessories

Plug socket with cable 8-pin, M12 – open cable end, 8-core

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

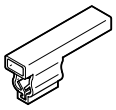
1) Observe operating voltage range and ambient temperature!

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 operating voltage range and ambient temperature!

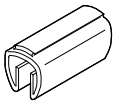
Inscription label holder

	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**