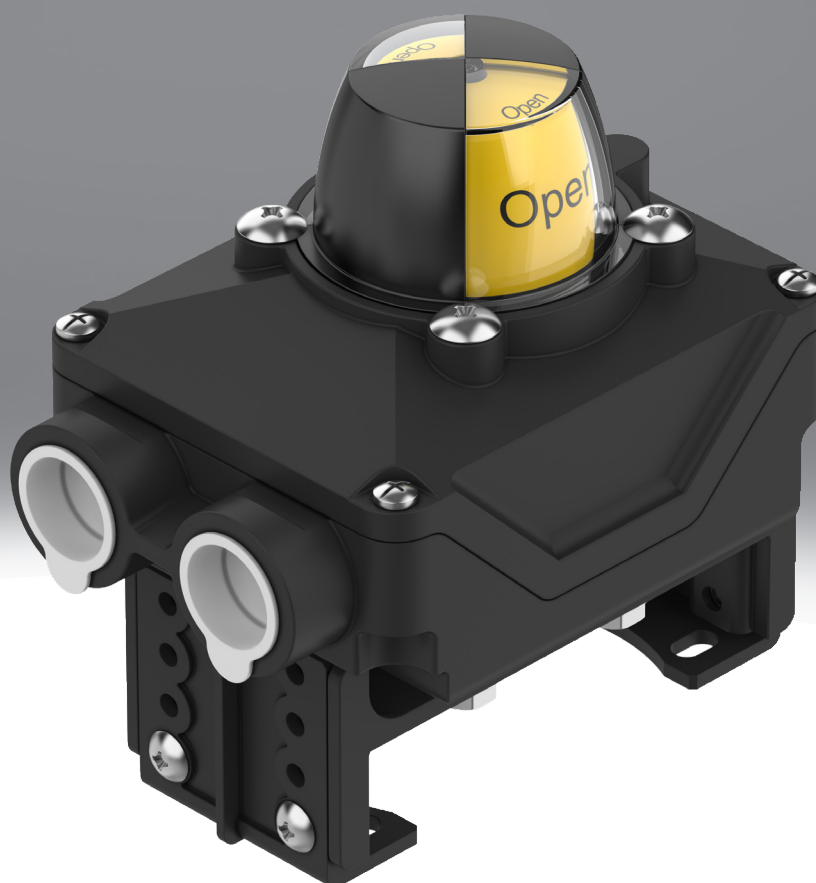


Limit switch box SRBK

FESTO



Characteristics

At a glance

- The new limit switch box SRBK is a binary position feedback system made of highly reinforced polymer with a visual display for manual or automated process systems. It can be used indoors as well as outdoors under extreme conditions, such as with UV radiation, chemically demanding ambient conditions or temperature fluctuations.
- Sturdy, corrosion-resistant design, ideal for use in harsh operating conditions
- Weatherproof housing also for outdoor applications
- Pre-assembled mounting flange adapter for ease of installation
- The trip cams can be easily set without additional tools
- 3D OPEN/CLOSED position indicator
- Mechanical, inductive or magnetic switch variants for virtually all areas of application
- SIL 3 according to IEC 61508

Mechanical interface

- Pre-assembled mounting flange adapter for ease of installation
- Direct mounting on quarter turn actuators to VDI/VDE 3845
- Variants without a mounting flange adapter for other interfaces and products such as process valves or gear units

[A4] Flexible mounting adapter to standard VDI/VDE 3845



[A5] EN ISO 5211 / F05



Display type

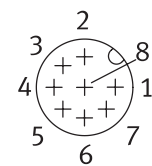


Clearly visible 3D position indicator enables the current position of the quarter turn actuator to be quickly identified

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

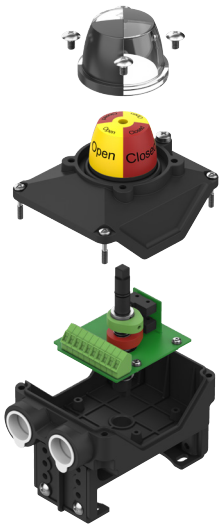
Electrical connection

[M12] Plug M12, A-coded



Characteristics

Sensor principle



[MW] Floating contact, changeover contact

- Switch type Omron SS-5
SRBK-...-MW-22A-1W-...
SRBK-...-MW-1-1W-...
Switching output contact, toggle switch single-pole (SPDT)
- Switch type Omron SS-01
SRBK-...-MW-1-1WG-...
Switching output contact (gold), toggle switch single-pole (SPDT)

[R] With contacts (reed)

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

[N] Proximity sensor, inductive

- Switch type P&F NBB2-V3-E2
SRBK-...-N-1-P-...
Switching output PNP, N/O contact
- Switch type P&F NBB3-V3-Z4
SRBK-...-N-1-ZU-...
Switching output, contactless, 2-wire, N/O contact

EX certification EU

[] None

[EX6] II 1GD

Type code

001	Series	
SRBK	Limit switch box SRBK	
002	Design	
C	Limit switch boxes	
003	Mechanical interface	
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	
22A	230 V AC	
008	Electrical output 1	
1W	1-pin toggle switch	
1WG	1-pole changeover switch (gold contact)	
P	PNP	
ZU	2-wire N/O contact	
009	Electrical connection	
C2	Screw terminal	
M12	Plug M12, A-coded	
010	EX certification EU	
	None	
EX6	II 1GD	

Datasheet

General technical data						
Electrical connection	M12x1		Screw terminal			
Electrical output 1	1-pin toggle switch	PNP	1-pin toggle switch	1-pole changeover switch (gold contact)	PNP	2-wire N/O contact
Microswitch type	Omron SS-5	P&F NBB2-V3-E2	Hamlin 59140-030, Omron SS-5	Omron SS-01	P&F NBB2-V3-E2	P&F NBB3-V3-Z4
Type of mounting	–		on flange according to ISO 5211	on flange according to ISO 5211, in accordance with VDI/VDE 3845	on flange according to ISO 5211	
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					
Housing colour	Black					
Switching status indication	Optical					
Position indicator	Yellow/red					
Setting range of angular detection	0 ... 90 deg					
Product weight	500 g		360 g, 460 g			

Electromechanics						
Electrical connection	M12x1		Screw terminal			
Electrical output 1	1-pin toggle switch	PNP	1-pin toggle switch	1-pole changeover switch (gold contact)	PNP	2-wire N/O contact
Electrical connection 1, connection type	Plug		Terminal strip			
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101		Screw terminal			
Electrical connection 1, number of connections/cores	8		10			
Connectable nominal cross section conductor	–		0.25 ... 2.5 mm²			
Electrical connection 1, cable outlet	Straight					

Electrical characteristics – Sensor principle [MW] potential-free contact, changeover contact and sensor principle [N] proximity switch, inductive						
Electrical connection	M12x1		Screw terminal			
Electrical output 1	1-pin toggle switch	PNP	1-pin toggle switch	1-pole changeover switch (gold contact)	PNP	2-wire N/O contact
Switching output	conventional	PNP	conventional	Contacting (gold)	PNP	Contactless, 2-wire
Measuring principle	mechanical/electrical	Inductive	mechanical/electrical		Inductive	
Measured variable	Position					
Switching element function	Toggle switch, single-pin	N/O contact	Toggle switch, single-pin		N/O contact	
Operational voltage range AC	–		0 ... 230 V	–		
Operational voltage range DC	0 ... 30 V	10 ... 30 V	0 ... 30 V		10 ... 30 V	5 ... 60 V
Max. output current AC	–		3,000 mA	–		
Max. output current DC	1,000 mA	100 mA	1,000 mA	100 mA		
Max. switching output voltage DC	30 V	–	30 V		–	
Max. switching capacity AC	–					
Max. switching capacity DC	30 W	–		3 W	–	
Voltage drop	–	≤3 V	–		≤3 V	≤4 V
Min. load current	–					4 mA
Off-state current	–	0 ... 0.5 mA	–		0 ... 0.5 mA	0.4 ... 0.55 mA
Short circuit current rating	–	Pulsed	–		Pulsed	–
No-load supply current	–	≤15 mA	–		≤15 mA	–
Reverse polarity protection	–	For all electrical connections	–		For all electrical connections	

Datasheet

Electrical characteristics – Sensor principle [R] contact (reed)	
Electrical connection	Screw terminal
Electrical output 1	1-pin toggle switch
Switching output	conventional
Measuring principle	Magnetic reed
Measured variable	Position
Switching element function	Toggle switch, single-pin
Operational voltage range AC	0 ... 120 V
Operational voltage range DC	0 ... 175 V
Max. output current AC	180 mA
Max. output current DC	250 mA
Max. switching capacity AC ¹⁾	5 W
Max. switching capacity DC ²⁾	5 W

1) Application of inductive and capacitive load on request

2) Application of inductive and capacitive load on request

Datasheet

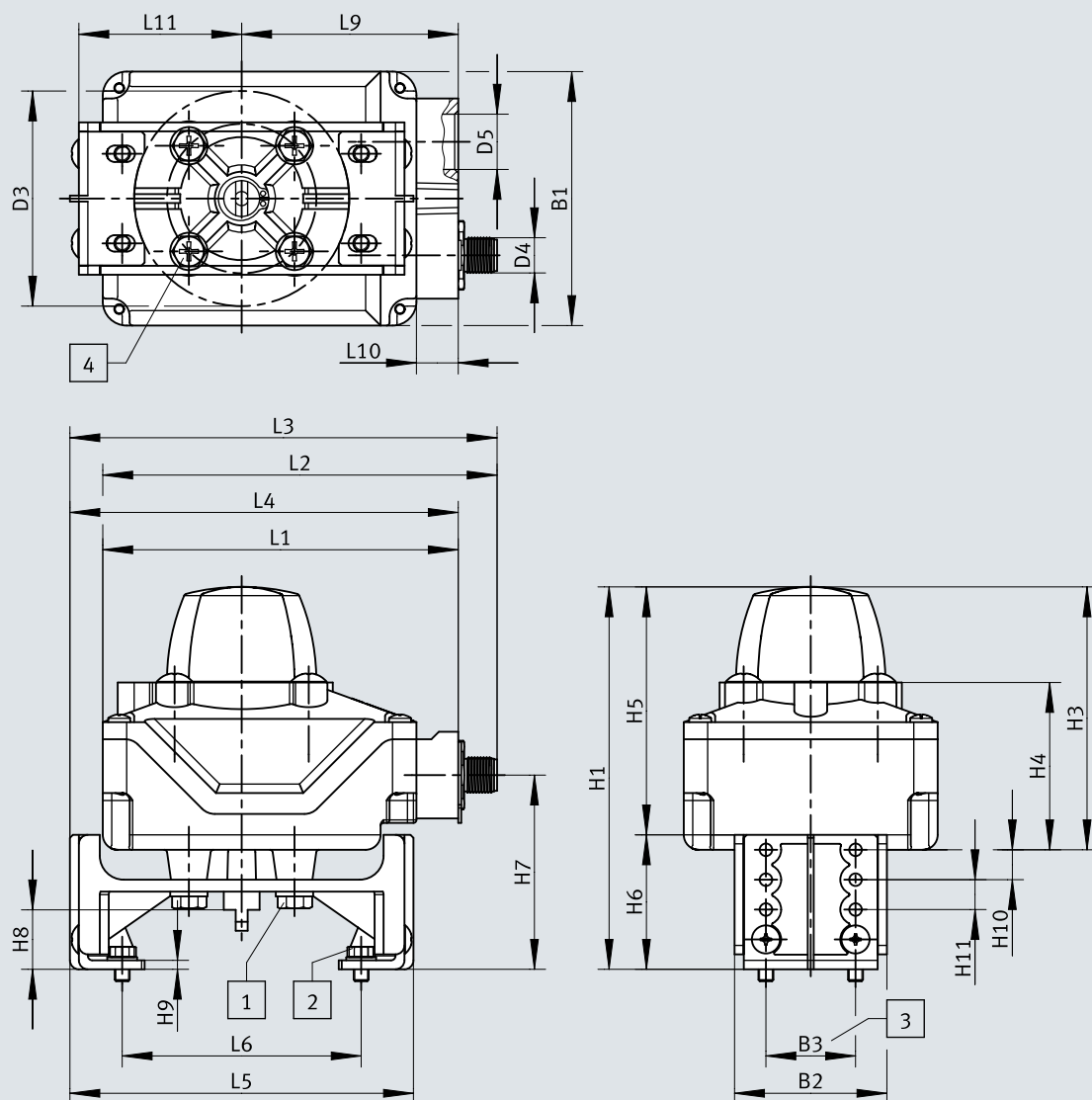
Operating and environmental conditions						
Electrical connection	M12x1		Screw terminal			
Electrical output 1	1-pin toggle switch	PNP	1-pin toggle switch	1-pole changeover switch (gold contact)	PNP	2-wire N/O contact
Ambient temperature	-20 ... 70°C					
Storage temperature	-20 ... 50°C					
Degree of protection	IP66, IP67					
Shock resistance	Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27					
Vibration resistance	Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6					
Pollution degree	3					
Protection class	–		II	–		
Approval	–		c CSA us (OL)			
Sensing range	0 ... 90 deg					
Corrosion resistance class CRC	3 - high corrosion stress					
CE mark (see declaration of conformity)	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), To EU Low Voltage Directive, In accordance with EU RoHS Directive	To EU EMC Directive, To EU Low Voltage Directive, 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, To UK regulations for electrical equipment	To UK instructions for EMC, To UK RoHS instructions, To UK regulations for electrical equipment	
ATEX category gas	–			II 1G	–	
Explosion ignition protection type for gas	–			Ex ia IIC T6 ...T4 Ga, Ex ia IIC T6/T5/T4 Gb	–	
ATEX category dust	–			II 1D	–	
Explosion ignition protection type for dust	–			Ex ia IIIC T135°C Db, Ex ia IIIC T200 135°C Da	–	
Explosion protection certification outside the EU	–			EPL Da (GB), EPL Da (IEC-Ex), EPL Db (GB), EPL Db (IEC-EX), EPL Ga (GB), EPL Ga (IEC-EX), EPL Gb (GB), EPL Gb (IECEX)	–	
Explosion ambient temperature	–			-20°C <= Ta <= +80°C	–	
Max. input voltage Ui	–			See IECEx certificate	–	
Effective internal inductivity Li	–			See IECEx certificate	–	
Effective internal capacitance Ci	–			See IECEx certificate	–	
Max. intrinsically safe circuit input parameter	–			See IECEx certificate	–	
Max. input current Ii	–			See IECEx certificate	–	
Max. input power Pi	–			See IECEx certificate	–	
Certificate issuing authority	Eurocert. 93927			Eurocert. 93927, FTZU 24 ATEX 0075, IECEx FTZU 24.0024	Eurocert. 93927	
Safety Integrity Level (SIL)	SIL 3					

Materials		
EX certification EU	None	II 1GD
Note on materials	RoHS compliant	
Material housing	PA	PA66, electrically conductive
Material seals	NBR	
Material shaft	PA	
Material screws	Stainless steel	
Material mounting bracket	PA	PA66, electrically conductive
Material snap ring	High-alloy stainless steel	
Protective cap material	Makrolon®	
LABS (PWIS) conformity	VDMA24364 zone III	

Dimensions

Dimensions – M12 variant with mounting adapter and mounting brackets fitted facing inwards

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- [1] M6x10 screw
- [2] M5x10 screw
- [3] Hole pattern to VDI/VDE 3845
- [4] Hole pattern F05 to EN ISO 5211

Dimensions

	B1	B2	B3	D3 Ø	D4	D5	H3	H4	H5	H9	H10
SRBK-CA4-YR90-MW-1-1W-M12	85	51	30	72	M12x1	M20x1,5	88	56	83	3	10
SRBK-CA4-YR90-N-1-P-M12											

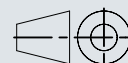
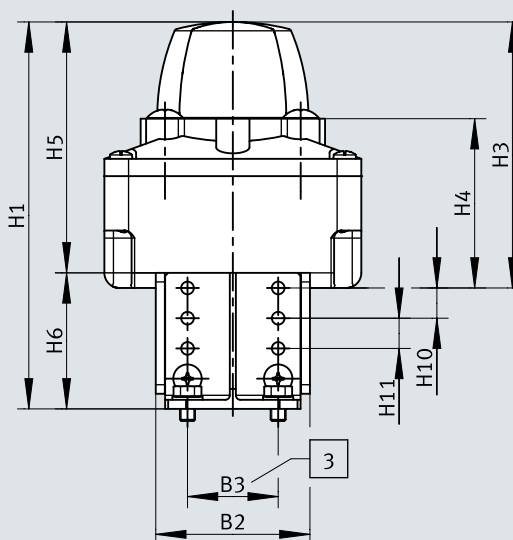
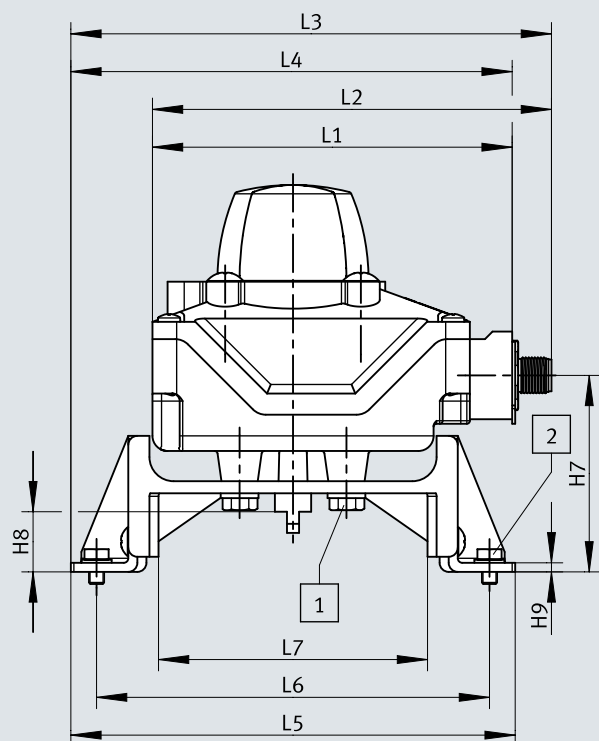
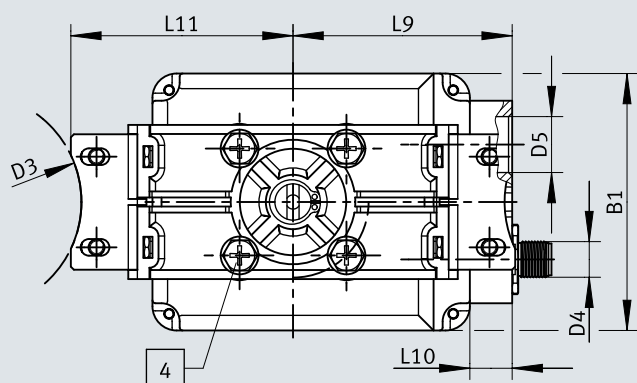
	H11	L1	L2	L3	L4	L5	L6	L9	L10	L11
SRBK-CA4-YR90-MW-1-1W-M12	10	119	132	143	130	115	80	72,5	14	57,5
SRBK-CA4-YR90-N-1-P-M12										

	H1	H6	H7	H8	H1	H6	H7	H8	H1	H6	H7	H8
	80x30x20				80x30x30				80x30x50			
SRBK-CA4-YR90-MW-1-1W-M12	128	45	65	20	138	55	75	30	158	75	95	50
SRBK-CA4-YR90-N-1-P-M12												

Dimensions

Dimensions – M12 variant with mounting adapter and mounting brackets fitted facing outwards

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- [1] M6x10 screw
- [2] M5x10 screw
- [3] Hole pattern to VDI/VDE 3845
- [4] Hole pattern F05 to EN ISO 5211

Dimensions

	B1	B2	B3	D3 Ø	D4	D5	H3	H4	H5	H9	H10
SRBK-CA4-YR90-MW-1-1W-M12	85	51	30	72	M12x1	M20x1,5	88	56	83	3	10
SRBK-CA4-YR90-N-1-P-M12											

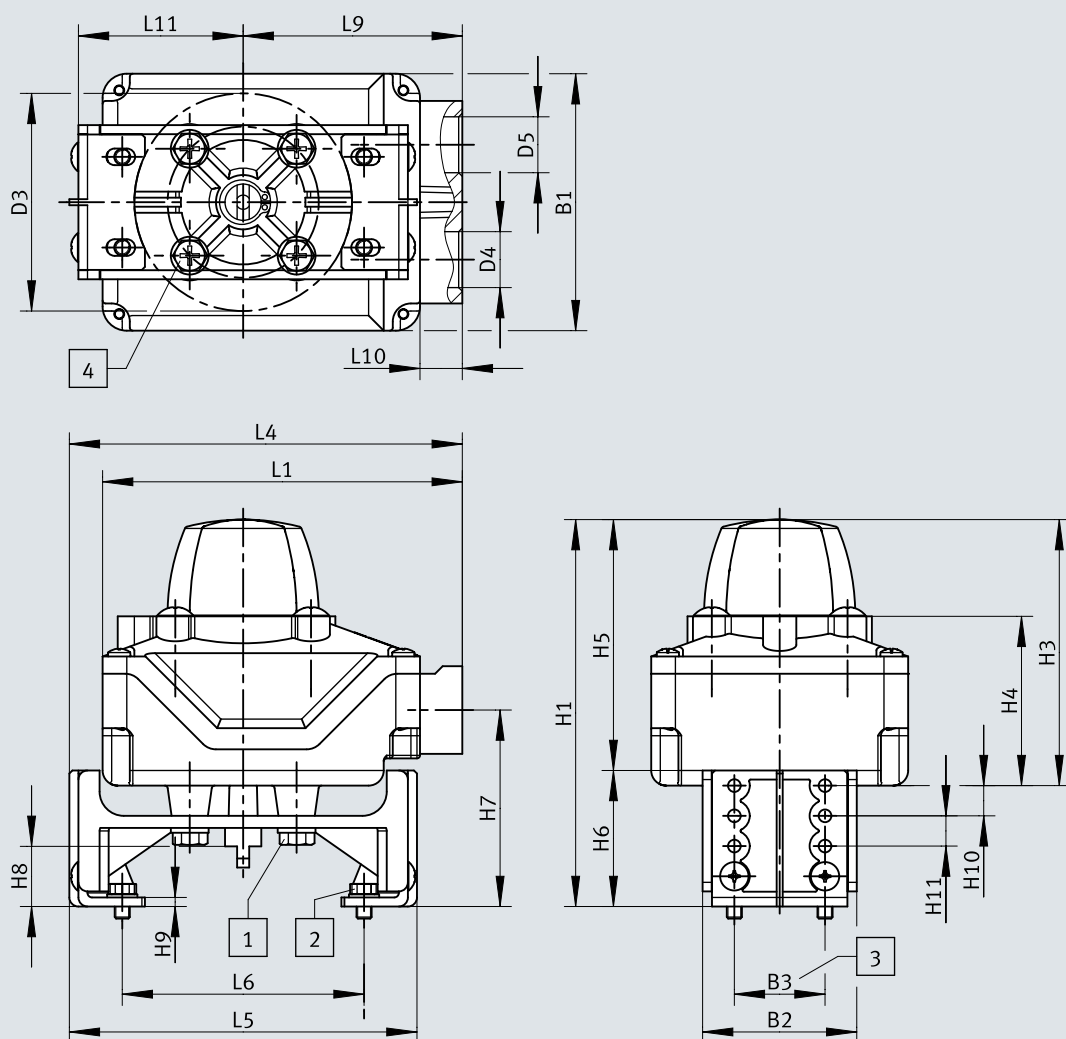
	H11	L1	L2	L3	L4	L5	L6	L7	L9	L10	L11
SRBK-CA4-YR90-MW-1-1W-M12	10	119	132	159	146	147	130	89	72,5	14	73,5
SRBK-CA4-YR90-N-1-P-M12											

	H1	H6	H7	H8	H1	H6	H7	H8	H1	H6	H7	H8
	130x30x20				130x30x30				130x30x50			
SRBK-CA4-YR90-MW-1-1W-M12	128	45	65	20	138	55	75	30	158	75	95	50
SRBK-CA4-YR90-N-1-P-M12												

Dimensions

Dimensions – Variant C2 with mounting flange adapter and mounting brackets installed facing inwards

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- [1] M6x10 screw
- [2] M5x10 screw
- [3] Hole pattern to VDI/VDE 3845
- [4] Hole pattern F05 to EN ISO 5211

Dimensions

	B1	B2	B3	D3 ø	D4	D5	H3	H4	H5
SRBK-CA4-YR90-MW-1-1WG-C2	85	51	30	72	M20x1,5	M20x1,5	88	56	83
SRBK-CA4-YR90-MW-22A-1W-C2									
SRBK-CA4-YR90-R-2A-1W-C2									
SRBK-CA4-YR90-N-1-P-C2									
SRBK-CA4-YR90-N-1-ZU-C2									
SRBK-CA4-YR90-MW-1-1WG-C2-EX6									

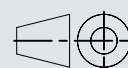
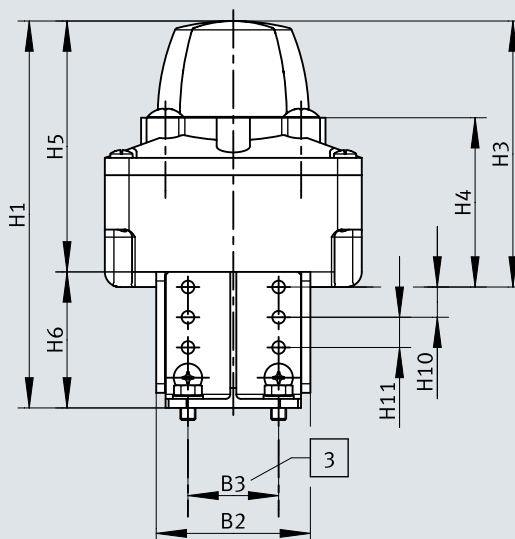
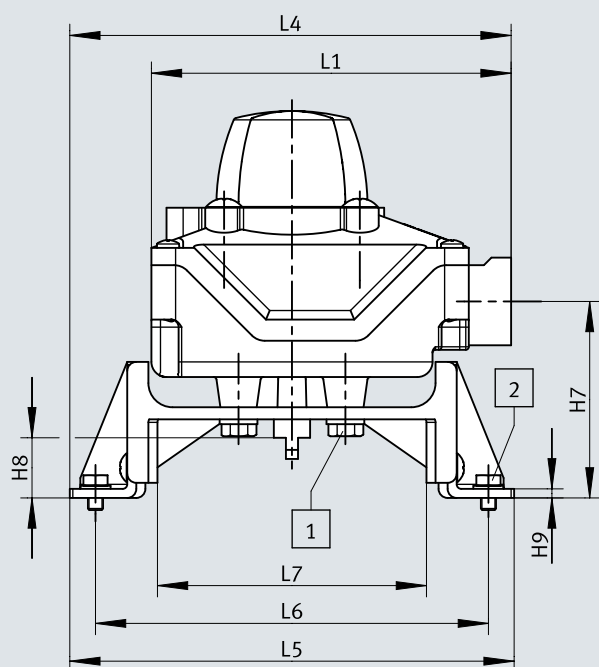
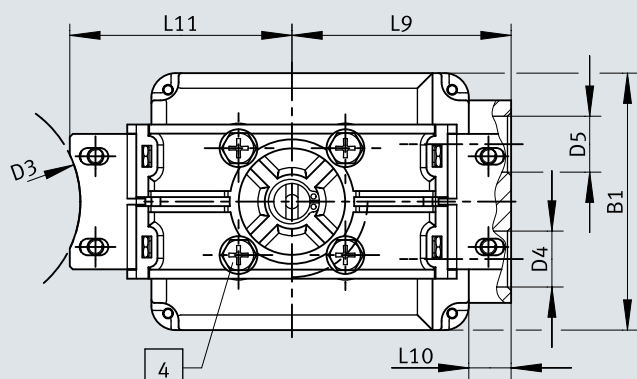
	H9	H10	H11	L1	L4	L5	L6	L9	L10	L11
SRBK-CA4-YR90-MW-1-1WG-C2	3	10	10	119	130	115	80	72,5	14	57,5
SRBK-CA4-YR90-MW-22A-1W-C2										
SRBK-CA4-YR90-R-2A-1W-C2										
SRBK-CA4-YR90-N-1-P-C2										
SRBK-CA4-YR90-N-1-ZU-C2										
SRBK-CA4-YR90-MW-1-1WG-C2-EX6										

	H1	H6	H7	H8	H1	H6	H7	H8	H1	H6	H7	H8
	80x30x20				80x30x30				80x30x50			
SRBK-CA4-YR90-MW-1-1WG-C2	128	45	65	20	138	55	75	30	158	75	95	50
SRBK-CA4-YR90-MW-22A-1W-C2												
SRBK-CA4-YR90-R-2A-1W-C2												
SRBK-CA4-YR90-N-1-P-C2												
SRBK-CA4-YR90-N-1-ZU-C2												
SRBK-CA4-YR90-MW-1-1WG-C2-EX6												

Dimensions

Dimensions – Variant C2 with mounting flange adapter and mounting brackets fitted facing outwards

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- [1] M6x10 screw
- [2] M5x10 screw
- [3] Hole pattern to VDI/VDE 3845
- [4] Hole pattern F05 to EN ISO 5211

Dimensions

	B1	B2	B3	D3 Ø	D4	D5	H3	H4	H5	H9	H10
SRBK-CA4-YR90-MW-1-1WG-C2	85	51	30	72	M20x1,5	M20x1,5	88	56	83	3	10
SRBK-CA4-YR90-MW-22A-1W-C2											
SRBK-CA4-YR90-R-2A-1W-C2											
SRBK-CA4-YR90-N-1-P-C2											
SRBK-CA4-YR90-N-1-ZU-C2											
SRBK-CA4-YR90-MW-1-1WG-C2-EX6											

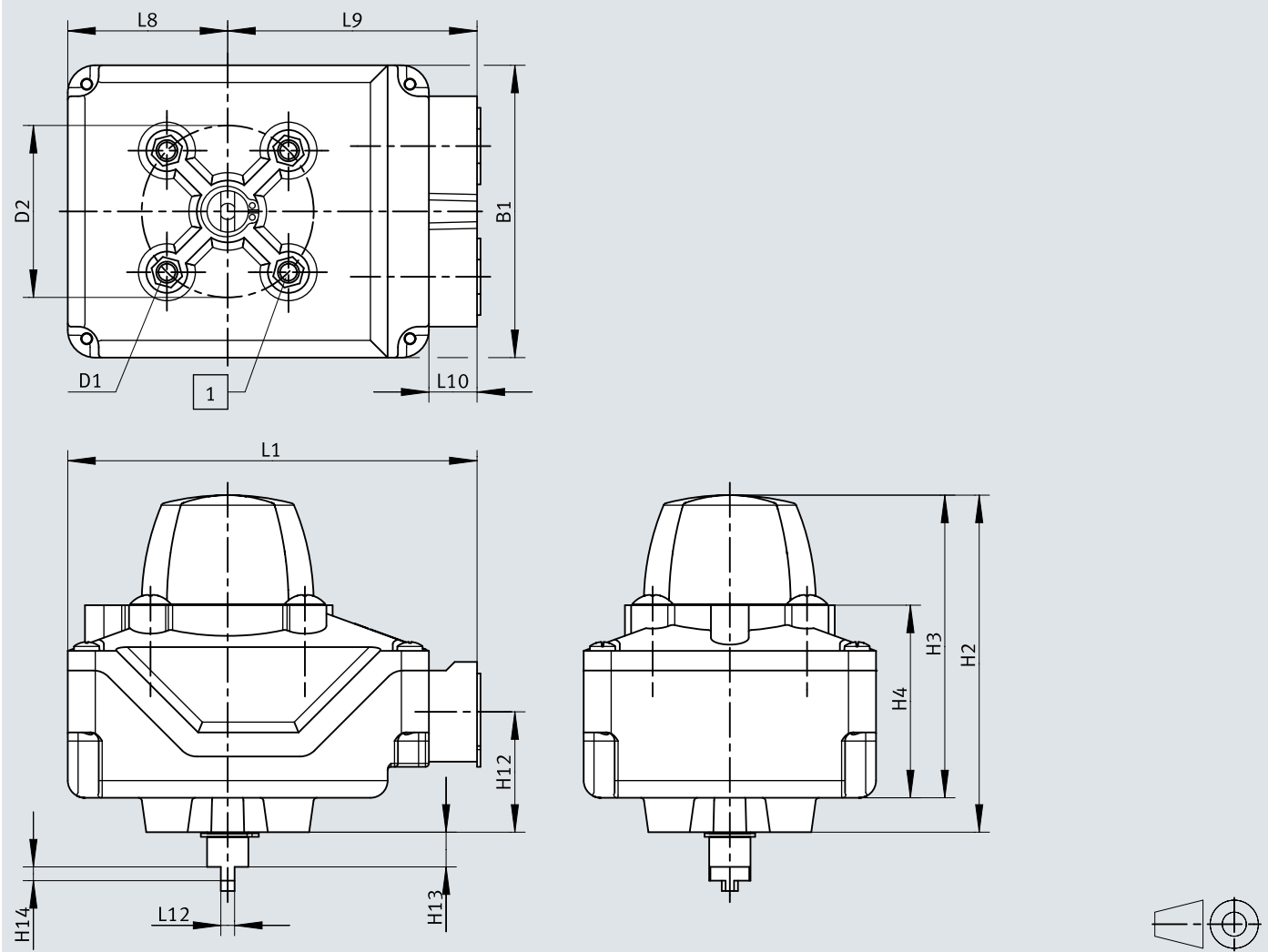
	H11	L1	L4	L5	L6	L7	L9	L10	L11
SRBK-CA4-YR90-MW-1-1WG-C2	10	119	146	147	130	89	72,5	14	73,5
SRBK-CA4-YR90-MW-22A-1W-C2									
SRBK-CA4-YR90-R-2A-1W-C2									
SRBK-CA4-YR90-N-1-P-C2									
SRBK-CA4-YR90-N-1-ZU-C2									
SRBK-CA4-YR90-MW-1-1WG-C2-EX6									

	H1	H6	H7	H8	H1	H6	H7	H8	H1	H6	H7	H8
	130x30x20				130x30x30				130x30x50			
SRBK-CA4-YR90-MW-1-1WG-C2	128	45	65	20	138	55	75	30	158	75	95	50
SRBK-CA4-YR90-MW-22A-1W-C2												
SRBK-CA4-YR90-R-2A-1W-C2												
SRBK-CA4-YR90-N-1-P-C2												
SRBK-CA4-YR90-N-1-ZU-C2												
SRBK-CA4-YR90-MW-1-1WG-C2-EX6												

Dimensions

Dimensions – SRBK-CA5-..., Mechanical interface according to ISO 5211/
flange hole pattern F05

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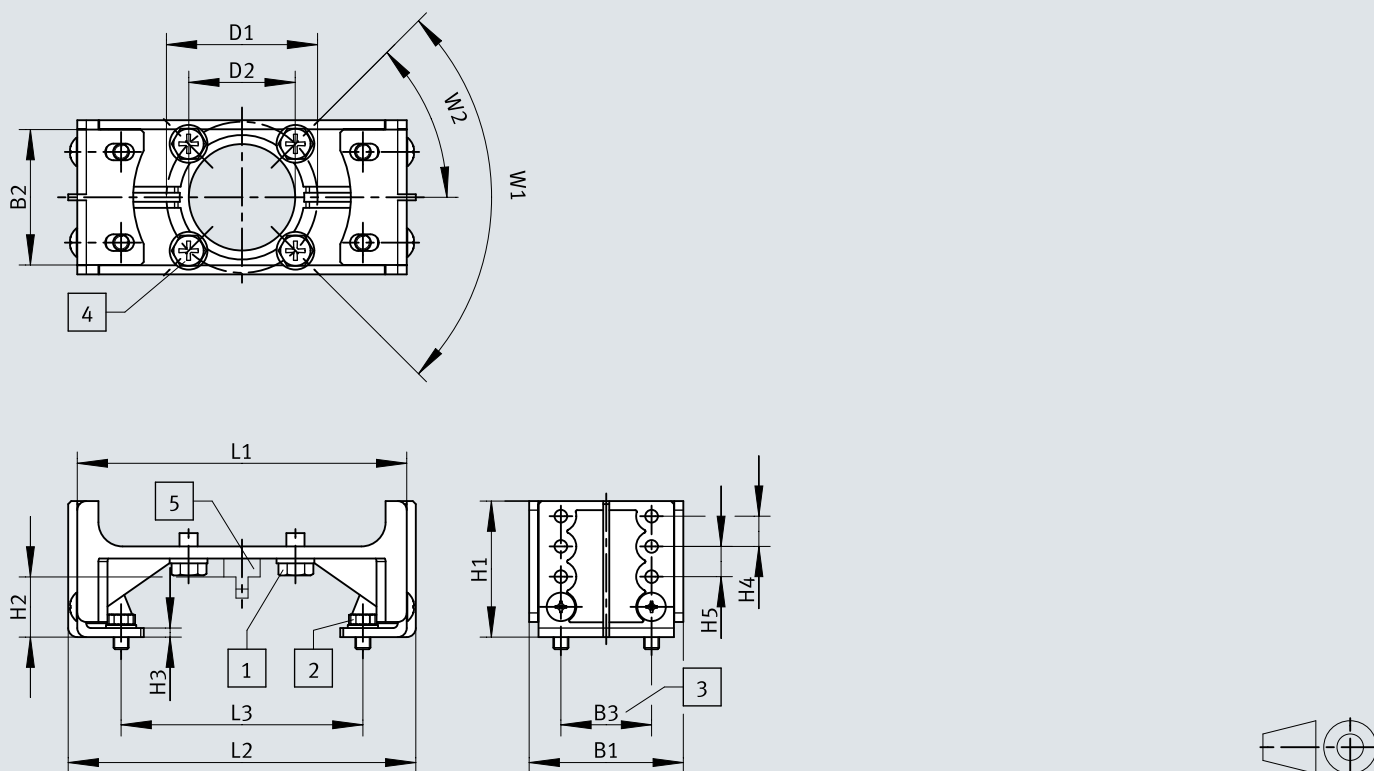
[1] Hole pattern F05 to EN ISO 5211

	B1	D1	D2 ø	H2	H3	H4	H12	H13	H14	L1	L8	L9	L10	L12
SRBK-CA5-YR90-MW-1-1WG-C2	85	M6	50	98	88	56	35	10	4	119	46,5	72,5	14	4
SRBK-CA5-YR90-MW-22A-1W-C2														
SRBK-CA5-YR90-P-2A-1W-C2														
SRBK-CA5-YR90-N-1-P-C2														
SRBK-CA5-YR90-N-1-ZU-C2														
SRBK-CA5-YR90-MW-1-1WG-C2-EX6														

Dimensions

Dimensions – Mounting adapter DARQ with mounting brackets fitted facing inwards

Download CAD data www.festo.com



- [1] M6x10 screw
- [2] M5x10 screw
- [3] Hole pattern to VDI/VDE 3845
- [4] Hole pattern F05 to EN ISO 5211
- [5] Drive shaft adapter Limit switch box

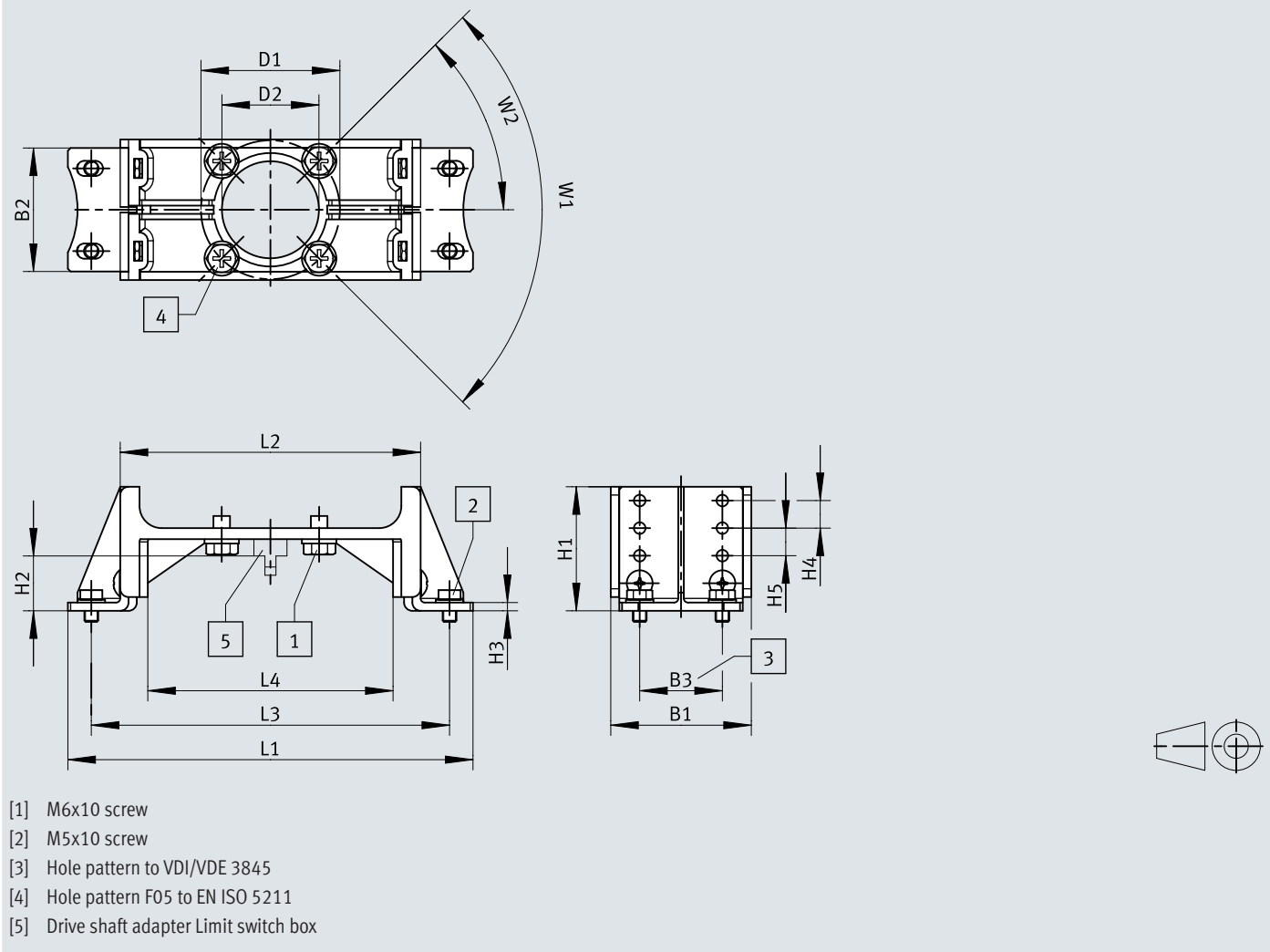
	B1	B2	B3	D1 Ø	D2 Ø	H3	H4	H5	L1	L2
DARQ-K-X1-A3-F05-R14	51	44,8	30	50	35,2	3	10	10	109	115
DARQ-K-X1-A3-F05-R15										

	L3	W1	W2	H1	H2	H1	H2	H1	H2
				80x30x20		80x30x30		80x30x50	
DARQ-K-X1-A3-F05-R14	80	90°	45°	45	20	55	30	75	50
DARQ-K-X1-A3-F05-R15									

Dimensions

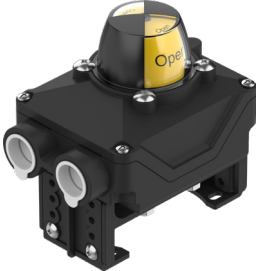
Dimensions – Mounting adapter DARQ with mounting brackets fitted facing outwards

Download CAD data www.festo.com

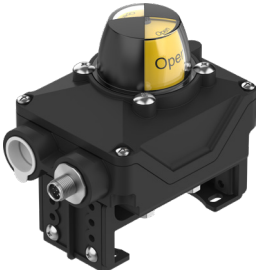


	B1	B2	B3	D1 ø	D2 ø	H3	H4	H5	L1	L2
DARQ-K-X1-A3-F05-R14	51	44,8	30	50	35,2	3	10	10	147	115
DARQ-K-X1-A3-F05-R15										
	L3	L4	W1	W2	H1	H2	H1	H2	H1	H2
					130x30x20		130x30x30		130x30x50	
DARQ-K-X1-A3-F05-R14	130	89	90°	45°	45	20	55	30	75	50
DARQ-K-X1-A3-F05-R15										

Ordering data

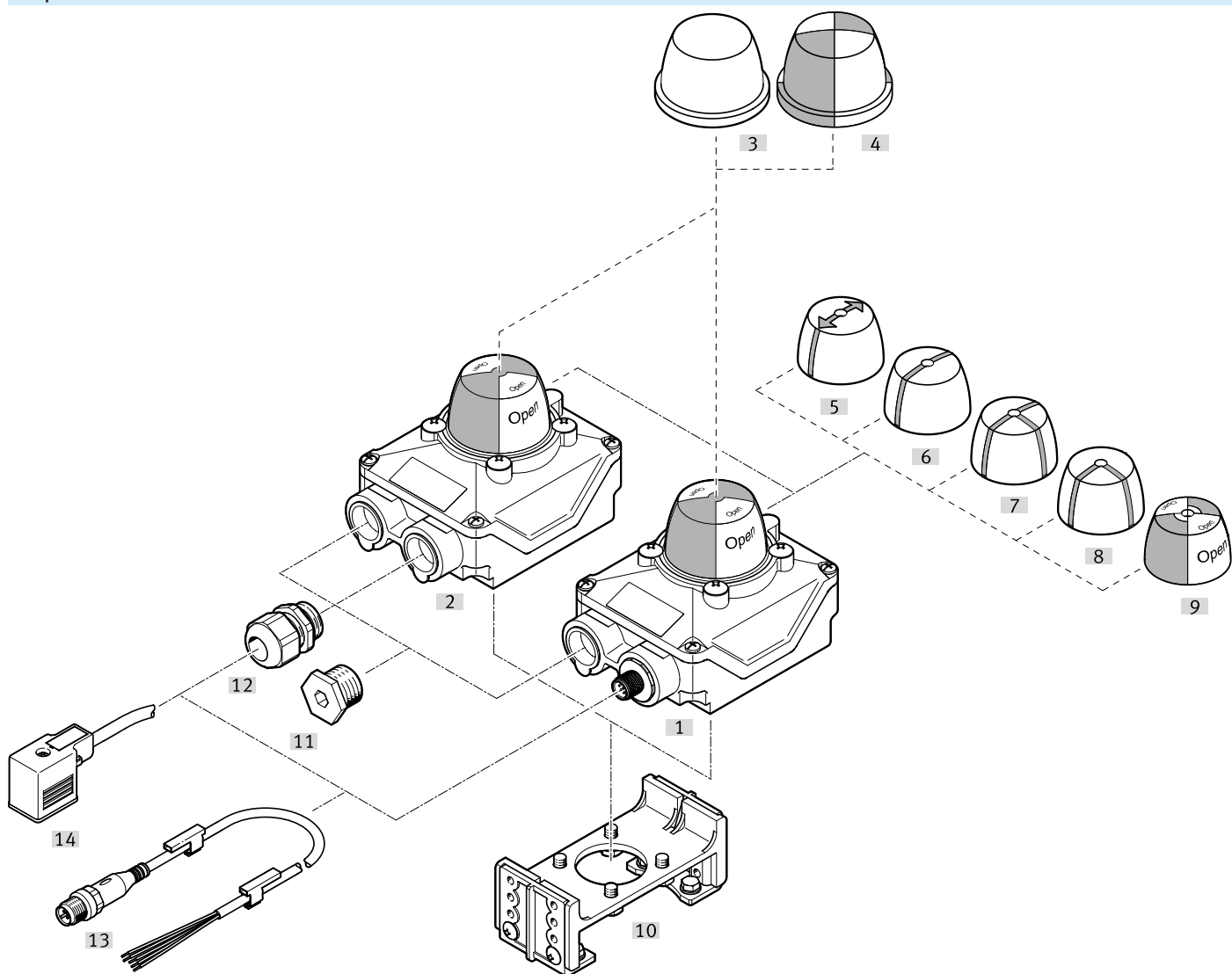
Electrical connection with screw terminal, with mounting adapter				
	Nominal operating voltage	Electrical output 1	Part no.	Type
	24 V DC	1-pole changeover switch (gold contact)	8191216	SRBK-CA4-YR90-MW-1-1WG-C2-EX6
			8191214	SRBK-CA4-YR90-MW-1-1WG-C2
		PNP	8182178	SRBK-CA4-YR90-N-1-P-C2
		2-wire N/O contact	8182179	SRBK-CA4-YR90-N-1-ZU-C2
	110 V AC/50-60 Hz 230 V AC	1-pin toggle switch	8182180	SRBK-CA4-YR90-R-2A-1W-C2
			8182177	SRBK-CA4-YR90-MW-22A-1W-C2

Electrical connection with screw terminal, without mounting adapter				
	Nominal operating voltage	Electrical output 1	Part no.	Type
	24 V DC	1-pole changeover switch (gold contact)	8191220	SRBK-CA5-YR90-MW-1-1WG-C2-EX6
			8191215	SRBK-CA5-YR90-MW-1-1WG-C2
		PNP	8182184	SRBK-CA5-YR90-N-1-P-C2
		2-wire N/O contact	8182185	SRBK-CA5-YR90-N-1-ZU-C2
	110 V AC/50-60 Hz 230 V AC	1-pin toggle switch	8182186	SRBK-CA5-YR90-R-2A-1W-C2
			8182183	SRBK-CA5-YR90-MW-22A-1W-C2

Electrical connection with M12 plug, A-coded				
	Nominal operating voltage	Electrical output 1	Part no.	Type
	24 V DC	1-pin toggle switch	8182181	SRBK-CA4-YR90-MW-1-1W-M12
		PNP	8182182	SRBK-CA4-YR90-N-1-P-M12

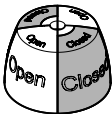
Peripherals

Peripherals overview

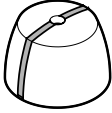


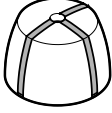
Accessories			→ Link
Type/order code	Description		
[1] Limit switch box SRBK...-M12	Electrical connection M12 plug, A-coded		srbk
[2] Limit switch box SRBK...-C2	Electrical connection with screw terminal		srbk
[3] Protective cap SACC-S4-T-T	Is mounted on the SBRK and protects the position indicator SASF		22
[4] Protective cap SACC-S4-T	Is mounted on the SBRK and protects the position indicator SASF		21
[5] Position indicator SASF-S4-DE-A1	Arrow, 180°		21
[6] Position indicator SASF-S4-DE-A2	I-version		21
[7] Position indicator SASF-S4-DE-A3	T-version		21
[8] Position indicator SASF-S4-DE-A4	L-version		21
[9] Position indicator SASF-S4-DE	Yellow/red		21
[10] Mounting adapter DARQ-K-X1-A3-F05-R14	For limit switch box variants SRBK-CA4-...		22
[10] Mounting flange adapter DARQ-K-X1-A3-F05-R15	For limit switch box variants SRBK-CA5-...-EX6		22
[11] Plug screw NETC	The plug screw is not included in the scope of delivery		22
[12] Cable connector NETC	- Polymer cable connector M20x1.5 - Can be ordered separately as an accessory		22
[13] Connecting cables NEBV	- For valve connection for limit switch boxes with terminal rail 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		23
[14] Connecting cables NEBU	- For valve connection for limit switch boxes with terminal rail connection - Angled socket, plug pattern type B according to industry standard, 11 mm - Can be ordered separately as an accessory		23

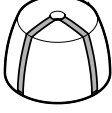
Accessories

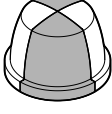
Position indicator SASF-S4-DE						
	Position indicator	Ambient temperature	Material cap	Note on materials	Part no.	Type
	Yellow/red	-40 ... 80 °C	PA	RoHS compliant	8137192	SASF-S4-DE

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
	L-version	-40 ... 80 °C	PA	RoHS compliant	8137190	SASF-S4-DE-A2

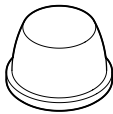
Position indicator SASF-S4-DE-A3						
	Position indicator	Ambient temperature	Material cap	Note on materials	Part no.	Type
	T-version	-40 ... 80 °C	PA	RoHS compliant	8137195	SASF-S4-DE-A3

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

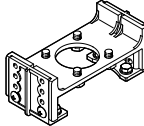
Protective cap SACC-S4-T						
	Colour	Ambient temperature	Material cover cap	Note on materials	Part no.	Type
	transparent black	-40 ... 80 °C	Makrolon®	RoHS compliant	8137193	SACC-S4-T

Accessories

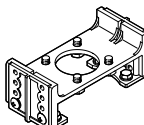
Protective cap SACC-S4-T-T

	Colour	Ambient temperature	Material cover cap	Note on materials	Part no.	Type
	Transparent	-40 ... 80 °C	Makrolon®	RoHS compliant	8137194	SACC-S4-T-T

Mounting flange adapter DARQ for limit switch box variants SRBK-...-C2

	Description	Ambient temperature	Type of mounting	Note on materials	Part no.	Type
	Connection point for positioners and position sensors complies with standard VDI/VDE 3845, size AA 1, size AA 2, size AA 3	-20 ... 70 °C	on flange according to ISO 5211	RoHS compliant	8183116	DARQ-K-X1-A3-F05-R14

Mounting flange adapter DARQ for limit switch box variants SRBK-...-C2-EX6

	Description	Ambient temperature	Type of mounting	Note on materials	Part no.	Type
	Connection point for positioners and position sensors complies with standard VDI/VDE 3845, size AA 1, size AA 2, size AA 3	-20 ... 70 °C	on flange according to ISO 5211	RoHS compliant	8183117	DARQ-K-X1-A3-F05-R15

Cable connector NETC

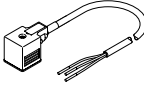
	Connection technology 1	Ambient temperature	Note on materials	Part no.	Type
	M20x1.5	-40 ... 75 °C	RoHS compliant	8151588	NETC-M20-PBK-T26-EX4-E

Plug screw NETC

	Connection technology 1	Ambient temperature	Note on materials	Part no.	Type
	M20x1.5	-40 ... 75 °C	RoHS compliant	8151589	NETC-P-M20-PBK-T26-EX4-E

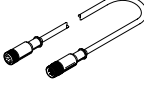
Accessories

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

Connecting cables NEBV						
	Electrical connection 1, connector system	Additional functions	Ambient temperature	Note on materials	Part no.	Type
	Connection pattern type A based on EN 175301-803		-25 ... 80 °C	RoHS compliant	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 length	Electrical connection 1, cable outlet ¹⁾	Ambient temperature	Note on materials	Part no.	Type
	2 m	Straight	-25 ... 80 °C	RoHS compliant	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
	25 m				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⁾	Ambient temperature	Note on materials	Part no.	Type
	2 m	Straight	-25 ... 80 °C	RoHS compliant	525617	KM12-8GD8GS-2-PU

¹⁾ Observe operating voltage range and ambient temperature!