

Customized Devices Series 8040

The control devices series ConSig 8040 offer a wide range of combination and fitting options, only a small selection of which can be shown by means of our standard devices. The assembly plan shown opposite and the device data on the following pages allow you to project, specify and order your own customized ConSig 8040 device.

The example shown below will help you use the assembly plan. Of course, for an enquiry or order, you can also specify your ConSig 8040 control device by text or drawing. In this case, the assembly plan and the installation descriptions on the following pages will also be helpful.

Enclosure

- 2 heights (depending on size)
- 3 sizes available

For further information, see Table "Selection of the enclosure"

Built-in components

- LED lighting element 8010
- Contact elements 8082
- Control switch 8008
- Ammeter 8405
- Potentiometer 8208

Flange

Fitting a flange enables two cable entries or cable glands to be mounted.

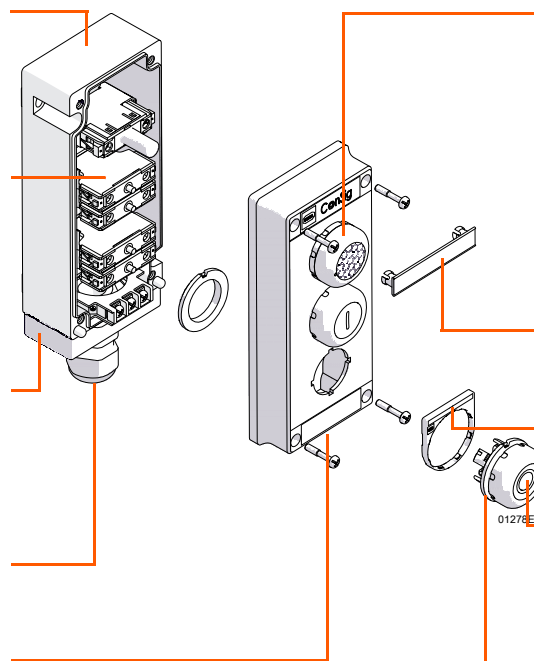
For further information, see Table "Selection of the enclosure"

Cable glands

For further information, see Table "Selection of the enclosure"

Installation position

Area for mounting the actuators. Depending on height and size, up to 3 installation positions are available.



Actuators

- Indicating lamp
- Pushbutton
- Rotary handles
- Mushroom stay-put button
- Mushroom stay-put button with key lock
- Key-operated button
- Twin pushbutton
- Ammeter
- Potentiometer
- Closing part

Equipment identification plate

For further information, see Table "Accessories and spare parts".

Additional identification plate

For further information, see Table "Accessories and spare parts".

Symbol label in the actuator








- containing different texts
 - coloured or black and white
- For further information, see Table "Accessories and Spare Parts".

Seal in the actuator









- NBR
- Silicone (for applications < -20 °C)

Enclosure

For the selection of the enclosure, 3 sizes in 2 heights are available.

	Size 1	Size 2	Size 3
	 80 x 93 mm 08886E00	 80 x 139 mm 08884E00	 80 x 185 mm 08883E00
Height 1 72 mm	 09243E00	 09243E00	 09243E00
Height 2 97 mm	not available	not available	 08888E00

Depending on size and height, a different number of installation positions are available. When using ammeters or rotary handles for 4 pole switches, the number of installation positions is limited to 2.

Built-in components	Enclosure with 1 installation position	Enclosure with 2 installation positions	Enclosure with 3 installation positions
Pushbutton Illuminated pushbutton Indicating lamp Twin pushbutton Key-operated button Rotary handles for 2 pole switches	Height: 1 Size: 1 Example:  01646E00	Height: 1 Size: 2 Example:  02314E00	Height: 1 Size: 3 Example:  02315E00
Rotary handles for 4 pole switches also in connection with standard built-in components	Height: 2 Size: 3 Example:  05775E00	Height: 2 Size: 3 Example:  05778E00	not possible
Ammeter also in connection with standard built-in components or rotary handles for 4 pole switches	Height: 1 Size: 2 Example:  05776E00	Height: 1 Size: 3 Example:  05770E00 Ammeters and standard built-in components	Height: 2 Size: 3 Example:  05770E00 Ammeters and rotary handles for 4 pole switches

Enclosure Combinations

Several enclosures can be combined with one another. A bore is made between the individual enclosures, and the two enclosures are combined using a combination adaptor set (see Table "Accessories and Spare Parts").

Device no. 1

consisting of

3 installation positions:

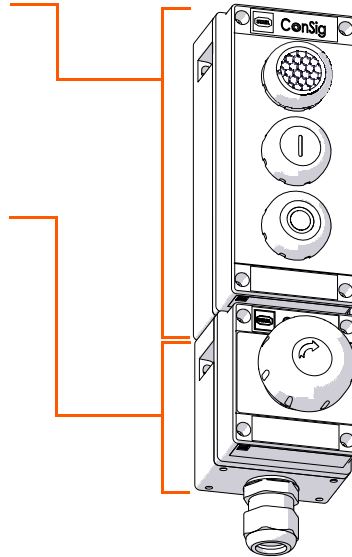
- Pos. 1: Indicating lamp, red
- Pos. 2: Pushbutton with symbol label "I"
- Pos. 3: Pushbutton with symbol label "0"

Device no. 2

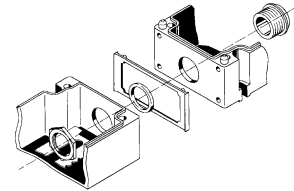
consisting of 1 installation position:

- Pos. 1: Mushroom pushbutton, 55 mm

Cable entry and cable gland on D side



Combination adaptor set



05505E00

















For further information, see Table "Accessories and Spare Parts".

01639E00

For a trouble-free ordering process of enclosure combinations, please use our order form.

Built-in Elements

Depending on the selected actuator, a different number of built-in elements can be selected. The built-in elements can be NC contacts, NO contacts or lighting elements. The contact elements are available in versions with screw terminals or spring clamp terminals.


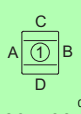

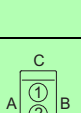

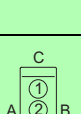
Type of actuator	Number of switching positions	Maximum number of possible built-in elements	Examples			
Pushbutton Mushroom pushbutton Mushroom stay-put button Mushroom key switches	2	4 contact elements	1 NC contact 	1 NC contact / 1 NO contact 	1 NC contact / 1 NC contact / 1 NC contact 	1 NC contact / 1 NO contact / 1 NC contact / 1 NO contact 
Twin pushbutton	2 per button	2 contact elements per button	Button 1: NC contact / NO contact 		Button 2: NC contact / NO contact 	
Lighting element	0	1 lighting element	1 lighting element 			
Illuminated pushbutton	2	2 contact elements + 1 lighting element	1 NC contact / 1 lighting element / 1 NO contact 1 NC contact / 1 lighting element / 1 NC contact 1 NO contact / 1 lighting element / 1 NO contact 			
Key-operated button Axial rotary actuator	2	4 contact elements	1 NC contact 	1 NC contact / 1 NO contact 	1 NC contact / 1 NC contact / 1 NC contact 	1 NC contact / 1 NO contact / 1 NC contact / 1 NO contact 
	3	4 contact elements per switching position	1 NC contact 	1 NC contact / 1 NO contact 	1 NC contact / 1 NC contact / 1 NC contact 	1 NC contact / 1 NO contact / 1 NC contact / 1 NO contact 

Order Number

The order number of Series 8040 consists of two parts. The first part describes the type of housing and cable entries/cable glands or flanges. The second part describes the different elements of the installation positions.

8040/	Part 1	-	Part 2
	Enclosure see Table "Selection of the enclosure"		Installation position 1 - Installation position 2 - Installation position 3 see relevant selection tables

Selection of the Enclosure



8040/	Height	Size	Cable entries and cable glands	Flange	Additional information
1	 72 mm <small>09243E00</small>	 80 x 93 mm <small>08886E00</small>	1 reserved	0 without	X Standard The device can be described sufficiently by the order number. No further information in the "Additional information" field (see order form) is required. Z Special The device must be described in more detail by giving further information in the "Additional information" field (see order form).
			2 --	1 Moulded material, D side	
			3 M20 x 1.5 1 x on C side 1 x on D side	2 Metal, D side	
	 97 mm ¹⁾ <small>08888E00</small>	 80 x 139 mm <small>08884E00</small>	4 M25 x 1.5 1 x on C side 1 x on D side	3 Moulded material, C side	
			5 reserved	4 Metal, C side	
			6 M20 x 1.5 2 x on D side (only possible with flange)	5 Moulded material, C, D sides	
	 Combination of installation height 1 and 2 <small>18580E00</small>	 80 x 185 mm <small>08883E00</small>	7 M20 x 1.5 1 x on D side	6 Metal, C, D sides	
			8 M25 x 1.5 1 x on D side	7 Metal plate, C side	
			9 according to order	8 Metal plate, D side	
4 Combination of all installation heights	9 Metal plate, C, D sides				

- Notes
- 1) only possible for size 3
 - 2) 8040/...X standard: 8161/7-...-...-LT (for silicone version)
8040/...Z acc. to order: specify cable glands in the field „additional information“

Examples


1	2	3	1	Z
Height 1: 72 mm Size 2: 80 x 139 mm Cable entry/cable gland 3: 1 x M20 x 1.5 on C side and 1 x M20 x 1.5 on D side Flange 1: Moulded material on D side Additional information Z: yes, further information is given in the "Additional information" field (see order form)				
2	3	8	8	X
Height 2: 97 mm Size 3: 80 x 185 mm Cable entry/cable gland 8: 1 x M25 x 1.5 on D side Flange 8: Metal plate on D side Additional information X: no				

Selection Table

Version	Order number				Max. number of built-in elements	
	Actuator	Symbol label	Seal	Built-in element		
 16276E00	Pushbutton	01	L..	.	A..	4
 17314E00	Mushroom pushbutton (black, Ø 39 mm)	03	L..	.	A..	4
 17594E00	Mushroom pushbutton (red / black, Ø 39 mm)	04	L..	.	A..	4
 17595E00	Mushroom pushbutton (red, Ø 55 mm)	14	L..	.	A..	4
 17317E00	Mushroom pushbutton (black, Ø 55 mm)	73	L..	.	A..	4
 17330E00	Mushroom stay-put button, EM-STOP (red, Ø 39 mm) ³⁾	10	L07	.	A..	4
 17331E00	Mushroom stay-put button (black, Ø 39 mm) ³⁾	12	L52	.	A..	4
 17332E00	Mushroom stay-put button, EM-STOP (red, Ø 55 mm) ³⁾	15	L07	.	A..	4
 17333E00	Mushroom stay-put button (black, Ø 55 mm) ³⁾	72	L52	.	A..	4
 17318E00	Mushroom stay-put button with key lock MS1 (red / black, Ø 39 mm)	06	xxx	.	A..	4
	Mushroom stay-put button with key lock MS.. (red / black, Ø 39 mm)	06	xxx	.	A..	4

³⁾ Including standard button label „rotating arrow, red“ or „rotating arrow, black“

Selection Table

Version	Order number				Max. number of built-in elements	
	Actuator	Symbol label	Seal	Built-in element		
 17319E00	Mushroom stay-put button with key lock MS1 (red / black, Ø 39 mm)	09	xxx	.	A..	4
	Mushroom stay-put button with key lock MS.. (red / black, Ø 39 mm)	09	xxx	.	A..	4



Order Number Supplement

Symbol label		Seal		Built-in element			
L01	red ¹⁾	L28	„Zu“, black	S	Silicone		
L02	green ¹⁾	L29	„AUS“, black	B	NBR		
L03	black ¹⁾	L30	„EIN“, black	Built-in element Contact element Contact material: silver-nickel Contact element Contact material: gold A01 NC A21 NC A02 NO A22 NO A03 NC / NC A23 NC / NC A04 NO / NO A24 NO / NO A05 NC / NO A25 NC / NO A06 NC / NC / NC A81 NC / NC / NC A07 NO / NO / NO A82 NO / NO / NO A08 NC / NC / NO A83 NC / NC / NO A09 NC / NO / NO A84 NC / NO / NO A10 NC / NC / NC / NC A85 NC / NC / NC / NC A11 NO / NO / NO / NO A86 NO / NO / NO / NO A12 NC / NC / NO / NO A87 NC / NC / NO / NO A13 NO / NO / NC / NC A88 NO / NO / NC / NC A14 NC / NC / NC / NO A89 NC / NC / NC / NO A15 NO / NC / NC / NC A90 NO / NC / NC / NC A16 NO / NC / NO / NC A91 NO / NC / NO / NC A17 NC / NO / NO / NO A92 NC / NO / NO / NO A18 NO / NO / NO / NC A93 NO / NO / NO / NC Contact element Snap-action contact A33 NC / NC A34 NO / NO A35 NC / NO			
L04	white ¹⁾	L31	„START“, black				
L05	blue ¹⁾	L32	„STOP“, black				
L06	yellow ¹⁾	L33	„Links“, black				
L07	Rotating arrow, red	L34	„Rechts“, black				
L08	"0", red	L35	„Langsam“, black				
L09	"STOP", red	L36	„Schnell“, black				
L10	"OFF", red	L37	„Senken“, black				
L11	"AUS", red	L38	„Heben“, black				
L12	"START", green	L39	„Ab“, black				
L13	"I", green	L40	„AUTO“, black				
L14	"ON", green	L41	„UP“, black				
L15	"II", green	L42	„DOWN“, black				
L16	"EIN", green	L43	„SLOW“, black				
L17	"START", white ²⁾	L44	„FAST“, black				
L18	"I", white ²⁾	L45	„RUN“, black				
L19	"RESET", blue	L46	„CLOSE“, black				
L20	arrow straight, black	L47	„OPEN“, black				
L21	arrow oblique, black	L48	„RESET“, black				
L22	double arrow, black	L50	„0“, red; „I“, green				
L23	„0“, black	L51	„L“, black				
L24	„I“, black	L52	spin arrow, black				
L25	„II“, black	L99	acc. to order				
L26	„I-0“, black	...	others on request				
L27	„AUF“, black						
Note						Note	
The colour information refers to the background of the text. The text is written in white.						NC = NC contact NO = NO contact	
¹⁾ Symbol label without text							
²⁾ Text in black.							
For other texts, see Accessories and Spare Parts.							

Examples of 8040/.....-

Name	Order number of the installation position	Description
Pushbutton	01L13BA02	Actuator: 01 = Pushbutton Symbol label: L13 = green symbol label with white text "I" Seal material: B = NBR Built-in element: A02 = 1 NO contact

Selection Table

Version		Order number				Max. number of built-in elements
		Actuator	Colour	Seal	Built-in element	
 17336E00	Illuminated pushbutton with coloured labels in all colours (red, green, white, blue, yellow)	35	C..	.	A..	2 + 1 LED lighting element
 17335E00	Indicator lamp with caps in all colors (red, green, white, blue, yellow)	54	C..	.	A..	1 indicating lamp









Order Number Supplement

Colour	Seal	Built-in element
C01 red	S Silicone	Illuminated pushbutton LED lighting element
C02 green	B NBR	A41 NC / LE - Ex e A70 8010/2-01 LE Ex e
C03 white		A42 NO / LE - Ex e A80 8010/3-02 LE Ex i
C04 blue		A43 NC / LE / NC - Ex e
C05 yellow		A44 NO / LE / NO - Ex e
C06 all colours, packed		A45 NC / LE / NO - Ex e
		Note
		A46 NC / LE - Ex i NC = NC contact
		A47 NO / LE - Ex i NO = NO contact
		A48 NC / LE / NC - Ex i LE = Lighting element
		A49 NO / LE / NO - Ex i
		A50 NC / LE / NO - Ex i

Examples of 8040/.....-

Name	Order number of the installation position	Description
Illuminated push-button	35C04BA42	Actuator: 35 = Illuminated pushbutton Colour: C04 = blue Seal material: B = NBR Built-in element: A42 = 1 NO contact / 1 LED lighting element - Ex e
Indicating lamp	54C01SA70	Actuator: 54 = Indicating lamp Colour: C01 = red Seal material: S = Silicone Built-in element: A70 = 1 LED lighting element - Ex e

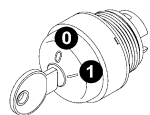
Selection Table

Version		Order number				Max. number of built-in elements
		Actuator	Mechanical function	Seal	Built-in element	
 17321E00	Key-operated switch MS1, 2 switching positions	08	M..	.	A..	4
	Key-operated switch MS..., 2 switching positions	08	M..	.	A..	4
 17320E00	Key-operated switch KMS1, 2 switching positions	08	M..	.	A..	4
	Key-operated switch KMS..., 2 switching positions	08	M..	.	A..	4
 17507E00	Key-operated switch MS1, 3 switching positions	08	M..	.	A..	4
	Key-operated switch MS..., 3 switching positions	08	M..	.	A..	4
 17322E00	Key-operated switch KMS1, 3 switching positions	08	M..	.	A..	4
	Key-operated switch KMS..., 3 switching positions	08	M..	.	A..	4
 17508E00	Axial rotary actuator 2 switching positions, not padlockable	26	M..	.	A..	4
 17509E00	Axial rotary actuator 3 switching positions, not padlockable	26	M..	.	A..	4
 17510E00	Axial rotary actuator 2 switching positions, padlockable	27	M..	.	A..	4
 17511E00	Axial rotary actuator 3 switching positions, padlockable	27	M..	.	A..	4

E4

Order Number Supplement

2 switching positions



10894E00



18555E00

With two switching positions, only switching position 1 can be changed. Switching position 0 is always latching.

Standard labeling:
key-operated switch = print: 0 I
rotary actuator small, axial = label: 0/OFF I/ON

Standard locking key-operated switch:
8040/....X: MS01

Special locking key-operated switch:
8040/....Z: specify in detail further lockings in the field „additional information“ (see order form)

Mechanical function:
Standard: M01
Further „mechanical functions“ can be independently readjusted (for detailed information see manual 8602/3)

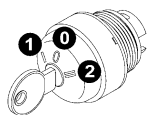
Mechanical function

M01	r / r
M02	r / t
M07	r / r ¹⁾

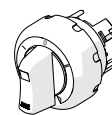
Note

r = latching
t = spring return
¹⁾ Key not removable in this position

3 switching positions



02718E00



18559E00

With three switching positions, only switching positions 1 and 2 can be changed. Switching position 0 is always latching.

Standard labeling:
key-operated switch = print: 0 I
rotary actuator small, axial = label: 0/OFF I/ON

Standard locking key-operated switch:
8040/....X: MS01

Special locking key-operated switch:
8040/....Z: specify in detail further lockings in the field „additional information“ (see order form)

Mechanical function:
Standard: M03
Further „mechanical functions“ can be independently readjusted (for detailed information see manual 8602/3)

Mechanical function

M03	r / r / r	M06	t / r / t	M10	r ¹⁾ / r / r ¹⁾
M04	r / r / t	M08	r ¹⁾ / r / r	M11	r ¹⁾ / r / t
M05	t / r / r	M09	r / r / r ¹⁾	M12	t / r / r ¹⁾

Seal

S	Silicone
B	NBR

Seal

S	Silicone
B	NBR

Built-in element

Contact element	Contact material: silver-nickel	Contact element	Contact material: gold
A01	NC	A21	NC
A02	NO	A22	NO
A03	NC / NC	A23	NC / NC
A04	NO / NO	A24	NO / NO
A05	NC / NO	A25	NC / NO
A06	NC / NC / NC	A81	NC / NC / NC
A07	NO / NO / NO	A82	NO / NO / NO
A08	NC / NC / NO	A83	NC / NC / NO
A09	NC / NO / NO	A84	NC / NO / NO
A10	NC / NC / NC / NC	A85	NC / NC / NC / NC
A11	NO / NO / NO / NO	A86	NO / NO / NO / NO
A12	NC / NC / NO / NO	A87	NC / NC / NO / NO
A13	NO / NO / NC / NC	A88	NO / NO / NC / NC
A14	NC / NC / NC / NO	A89	NC / NC / NC / NO
A15	NO / NC / NC / NC	A90	NO / NC / NC / NC
A16	NO / NC / NO / NC	A91	NO / NC / NO / NC
A17	NC / NO / NO / NO	A92	NC / NO / NO / NO
A18	NO / NO / NO / NC	A93	NO / NO / NO / NC

Note

NC = NC contact NO = NO contact


Built-in element

Contact element	Contact material: silver-nickel	Contact element	Contact material: gold
A03	NC / NC	A33	NC / NC
A04	NO / NO	A34	NO / NO
A05	NC / NO	A35	NC / NO
A06	NC / NC / NC	A81	NC / NC / NC
A07	NO / NO / NO	A82	NO / NO / NO
A08	NC / NC / NO	A83	NC / NC / NO
A09	NC / NO / NO	A84	NC / NO / NO
A10	NC / NC / NC / NC	A85	NC / NC / NC / NC
A11	NO / NO / NO / NO	A86	NO / NO / NO / NO
A12	NC / NC / NO / NO	A87	NC / NC / NO / NO
A13	NO / NO / NC / NC	A88	NO / NO / NC / NC
A14	NC / NC / NC / NO	A89	NC / NC / NC / NO
A15	NO / NC / NC / NC	A90	NO / NC / NC / NC
A16	NO / NC / NO / NC	A91	NO / NC / NO / NC
A17	NC / NO / NO / NO	A92	NC / NO / NO / NO
A18	NO / NO / NO / NC	A93	NO / NO / NO / NC

Examples of 8040/.....-

Name	Order number of the installation position	Description
Key-operated button	08M01A02	Actuator: 08 = Key-operated button Mechanical function: M01 = latching / latching Built-in element: A01 = 1 NC contact
Rotary handle	26M11A05	Actuator: 26 = Rotary handle small Mechanical function: M11 = latching (not removable) / latching / spring return Built-in element: A05 = 1 NC contact (latching) / 1 NO contact (spring return)

Selection Table

Version	Order number	Actuator			Max. number of built-in elements	
		Symbol labels	Seal	Built-in element		
 <small>17334E00</small>	Twin pushbutton with red and green button labels; select other labels from the accessories	23	D..	.	A..	2 per button


Order Number Supplement

Symbol labels	Built-in element	
D01 "0" (red), "I" (green)	Contact element	Contact element
D02 "Links" (black), "Rechts" (black)	Contact material: silver-nickel	Contact material: gold
D03 "Open" (black), "Close" (black)	A03 NC / NC	A23 NC / NC
D04 "I" (green), "II" (green)	A04 NO / NO	A24 NO / NO
D05 "OFF" (red), "ON" (green)	A05 NC / NO	A25 NC / NO
D06 "AB" (black), "AUF" (black)	A06 NC / NC / NC	A81 NC / NC / NC
D07 "AUF" (black), "ZU" (black)	A07 NO / NO / NO	A82 NO / NO / NO
D08 "STOP" (red), "START" (green)	A08 NC / NC / NO	A83 NC / NC / NO
D09 "STOP" (black), "START" (black)	A09 NC / NO / NO	A84 NC / NO / NO
D10 "HAND" (black), "AUTO" (black)	A10 NC / NC / NC / NC	A85 NC / NC / NC / NC
D11 "LOW" (black), "HIGH" (black)	A11 NO / NO / NO / NO	A86 NO / NO / NO / NO
D99 according to order	A12 NC / NC / NO / NO	A87 NC / NC / NO / NO
Note The colour information refers to the background of the text. The text is written in white.	A13 NO / NO / NC / NC	A88 NO / NO / NC / NC
	A14 NC / NC / NC / NO	A89 NC / NC / NC / NO
	A15 NO / NC / NC / NC	A90 NO / NC / NC / NC
	A16 NO / NC / NO / NC	A91 NO / NC / NO / NC
	A17 NC / NO / NO / NO	A92 NC / NO / NO / NO
	A18 NO / NO / NO / NC	A93 NO / NO / NO / NC
	A19 NC / NO / NC / NO	A94 NC / NO / NC / NO
Seal	Note	
S Silicone	NC = NC contact	
B NBR	NO = NO contact	

Examples of 8040/.....-

Name	Order number of the installation position	Description
Twin pushbutton	23D08BA12	Actuator: 23 = Twin pushbutton Text: D08 = STOP on red background, START on green background Seal material: B = NBR Built-in element: A12 = 1 NC contact / 1 NC contact / 1 NO contact / 1 NO contact

Selection Table

Version	Order number			Max. number of built-in elements	
	Actuator	Seal	Built-in element		
 17426E00	Closing part	33	XXX	.	XXX


Order Number Supplement

Seal	Built-in element
S Silicone	XXX not assigned
B NBR	V.. acc. to order - Please enter the information on the required built-in element as text in the "Additional information" field on the order form.



Examples of 8040/.....-

Name	Order number of the installation position	Description
Closing part	33XXXSXXX	Actuator: 33 = Closing part Seal material: S = Silicone Built-in element: XXX = not assigned

Selection Table



Version	Order number				
	Actuator	Padlock-ability	Position indicator	Seal	Switching arrangement
 17323E00	28	.	..	.	F..
 17571E00	29	.	..	.	F..
 17324E00	30	.	..	.	F..
 17572E00	31	.	..	.	F..

Selection Table

Version	Order number	Order number			
		Actuator	Padlock-ability	Position indicator	Seal	Switching arrangement
 Small rotary actuator Ø39, can be locked with one lock, 90° position <small>17325E00</small>	34	H	..	.	F..
 Small rotary actuator Ø39, can be locked with one lock, 45° position <small>17329E00</small>	34	H	..	.	F..

E4


Order Number Supplement

Padlockability	Switching arrangement
G not padlockable H one lock I three locks	F01 002  <small>08765E00</small>
Position indicator 00 none 01 0 - I (1 x 45°) 02 0 / OFF - I / ON (1 x 90°) 03 I - 0 - II (2 x 45°) 04 0 - I (2 x 45°) (only for actuator 34) 05 OFF - • - ON (2 x 45°) (not for actuator 34) 06 HAND - 0 - AUTO (2 x 45°) 08 0 / OFF - I / ON (1 x 90°) (not mounted) 99 according to order - Please enter the information on the required position indicator as text in the "Additional information" field on the order form.	F02 005  <small>07134E00</small>
Seal S Silicone B NBR	F03 007 F04 009 F05 016 F06 017 F07 019 F08 021 F09 022 F10 023 F11 025 F12 027 F13 028 F14 029 F15 030 F16 033 F17 034 F18 035 F19 036 F20 038 F21 039 F22 040 F23 102 F24 105 F25 106 F26 107 F27 108 F28 109 F29 110 F30 111 F31 112 F32 113 F33 114 F34 115 F35 116 F36 117 F37 119 F38 120 F39 121 F40 122 F41 124 F42 125 F43 127 F44 129
	F99 according to order - Please enter the information on the required position indicator as text in the "Additional information" field on the order form.

Examples of 8040/.....-

Name	Order number of the installation position	Description
Rotary handle large	31103SF028	Actuator: 31 = Rotary handle large Padlockability: I = three locks Position indicator: 03 = I - 0 - II (2 x 45°) Seal material: S = Silicone Switching arrangement: 028

Selection Table

Version	Order number				
	Actuator				Measuring range
 01842E00	Actuator amperemeter	40	XXX	X	N..

Order Number Supplement

Measuring range


Indication method: direct	converter connection			
N01 0 ... 20 mA / 40 mA	N07 1 A, double or quintuple	N13 30 A, double or quintuple	N19 200 A, double or quintuple	
N02 4 ... 20 mA / 40 mA	N08 2 A, double or quintuple	N14 40 A, double or quintuple	N20 250 A, double or quintuple	
N03 0 ... 1 A / 2 A	N09 5 A, double or quintuple	N15 50 A, double or quintuple	N21 300 A, double or quintuple	
N04 0 ... 4 A / 8 A	N10 10 A, double or quintuple	N16 75 A, double or quintuple		
N05 0 ... 10 A / 20 A	N11 15 A, double or quintuple	N17 100 A, double or quintuple		
N06 0 ... 15 A / 30 A	N12 20 A, double or quintuple	N18 150 A, double or quintuple		

N99 according to order - Please enter the information on the required measuring range as text in the "Additional information" field on the order form.

Examples of 8040/.....-

Name	Order number of the installation position	Description
Ammeter	40XXXXN04	Actuator: 40 = Ammeter Measuring range: N04 = 0 ... 4 A / 8 A

Selection Table

Version	Order number			
	Actuator	Scale	Seal	Resistance value
 17337E00	Potentiometer 0-6; 0-10 and 0-100 labels, provided separately	92	P..	R..


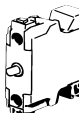
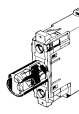







Order Number Supplement

Scale	Resistance value		
P01 0 ... 6	R01 100 Ω	R06 4.7 kΩ	R11 220 kΩ
P02 0 ... 10	R02 220 Ω	R07 10 kΩ	R12 470 kΩ
P03 0 ... 100 (steps of 10)	R03 470 Ω	R08 22 kΩ	R13 1 MΩ
P04 all scale plates enclosed	R04 1 kΩ	R09 47 kΩ	
Seal	R05 2.2 kΩ	R10 100 kΩ	
S Silicone	R99 acc. to order - Please enter the information on the required resistance value as text in the "Additional information" field on the order form.		
B NBR			










Examples of 8040/.....-

Name	Order number of the installation position	Description
Potentiometer	92P02BR05	Actuator: 92 = Potentiometer Scale: P02 = 10 divisions from 0 to 10 Seal material: B = NBR Resistance value: R05 = 2.2 kΩ





Accessories and Spare Parts

Designation	Illustration	Description	Art. no.	Weight kg
Actuators		see datasheet Actuators Series 8602/3 WebCode 8602A		
Contact elements with spring clamp terminal	 05499E00	Contact element 8082/2-1-00, 1 NC contact	132646	0.025
		Contact element 8082/2-1-10, 1 NC contact, gold-plated contacts	132648	0.025
		Contact element 8082/2-2-00, 1 NO contact	132647	0.025
		Contact element 8082/2-2-10, 1 NO contact, gold-plated contacts	132649	0.025
Contact elements with screw terminal	 05499E00	Contact element 8082/1-1-00, 1 NC contact	132636	0.025
		Contact element 8082/1-1-10, 1 NC contact, gold-plated contacts	132645	0.025
		Contact element 8082/1-2-00, 1 NO contact	132640	0.030
		Contact element 8082/1-2-10, 1 NO contact, gold-plated contacts	132644	0.025
LED lighting element	 05558E00	Lighting element 8010/2-01, Ex e	237971	0.035
		Lighting element 8010/3-02, Ex i	237972	0.035
Spare key	 10545E00	for all key-operated buttons and key-operated switches		
		standard locking MS1	107109	0.008
		 17418E00	MS 2 ... 20 For tightening plastic locknut	107110 169101	0.008 0.030
Pressure plates	 17607E00	Ø 37 mm	215436	0.002
	 17608E00	Ø 48.5 mm	215437	0.002
	 17609E00	for twin pushbutton	221706	0.001
	 18575E00	for key-operated switch and axial rotary actuator 1 to 2 contact elements	253627	0.001
	 17610E00	for key-operated switch and axial rotary actuator 3 to 4 contact elements	221707	0.001















Accessories and Spare Parts

Designation	Illustration	Description	Art. no.	Weight kg	
Protective collar and locking devices	 <small>17339E00</small>	8602C3-751 for mushroom stay-put button with key lock / mushroom stay-put button	BG 006/009/010/012	245944	0.090
	 <small>17338E00</small>	8602C3-752 for actuated mushroom stay-put button	BG 010/012	244869	0.090
	 <small>17340E00</small>	8602C3-753 for unactuated pushbutton	BG 001	244870	0.090
	 <small>17353E00</small>	8602C3-754 for actuated pushbutton	BG 001	244871	0.090
	 <small>17352E00</small>	8602C3-755 for unactuated pushbutton	BG 001	244872	0.090
	 <small>17351E00</small>	8602C3-756 for actuated mushroom stay-put button	BG 010/012	244873	0.090
	Label holder		for Ø39 actuators		
 <small>17341E00</small>		Size 1 label holder, without insert disc, 1-row label		223566	
 <small>17342E00</small>		Size 2 label holder, without insert disc, 1- or 2-row label		223567	
 <small>17343E00</small>		Size 3 label holder, without insert disc, 1-, 2- or 3-row label		223568	
















Accessories and Spare Parts

Designation	Illustration	Description	Art. no.	Weight kg
Insert discs for label holder		1-line Plain Material: PVC Colour: white Self-adhesive	238271	0.010
		1-line Labelling acc. to specification Material: PVC Colour: white Text colour: black Font: Arial Narrow Bold Self-adhesive	238274	0.010
		2-line Plain Material: PVC Colour: white Self-adhesive	238272	0.001
		2-line Labelling acc. to specification Material: PVC Colour: white Text colour: black Font: Arial Narrow Bold Self-adhesive	238275	0.010
		3-line Plain Material: PVC Colour: white Self-adhesive	238273	0.010
		3-line Labelling acc. to specification Material: PVC Colour: white Text colour: black Font: Arial Narrow Bold Self-adhesive	238276	0.010
Label, yellow, general		for Ø39 actuator (EM-STOP)	223571	0.001
		for Ø55 actuator (EM-STOP)	223572	
		for special, Ø55 actuator (EM-STOP), e.g. Type 8040	223573	

Accessories and Spare Parts

















Designation	Illustration	Description	Art. no.	Weight kg
Label, small rotary actuator		Labels for small BG 734 rotary actuator		
	 17346E00	Ø 30.8; 0/OFF I/ON	227489	0.002
	 17393E00	Ø 30.8; 0 I	227490	0.002
	 17394E00	Ø 30.8; I 0 II	227491	0.002
	 17395E00	Ø 30.8; 0 I	227492	0.002
	 17397E00	Ø 30.8; Manual 0 Auto	227494	0.002
	 17425E00	Ø 30.8; plain	227495	0.002
Label, large rotary actuator		Labels for large BG 728/729/730/731 rotary actuator		
	 17347E00	Ø 58; 0/OFF I/ON	227004	0.002
	 17399E00	Ø 58; 0 operation I	227005	0.002
	 17400E00	Ø 58; 0 I II	227006	0.002
	 17401E00	Ø 58; I 0 II	227007	0.002
	 17402E00	Ø 58; I II	227008	0.002
	 17403E00	Ø 58; 0 I	227009	0.002
	 17404E00	Ø 58; I 0 I 0	227010	0.002
	 17405E00	Ø 58; Manual 0 Auto	227011	0.002

Accessories and Spare Parts

Designation	Illustration	Description	Art. no.	Weight kg
Label, large rotary actuator	 17408E00	Ø 58; 0/OFF • I/ON	227012	0.002
	 17407E00	Ø 58; 0/OFF I/ON, yellow	227013	0.002
	 18607E00	Ø 58; plain	227014	0.002
Label, axial rotary actuator	Labels for axial BG 726/727 rotary actuator			
	 17419E00	Ø 30.8; 0/OFF I/ON	240472	0.002
	 17421E00	Ø 30.8; I 0 II	240474	0.002
	 17422E00	Ø 30.8; 0 I	240475	0.002
	 17424E00	Ø 30.8; Manual 0 Auto	240477	0.002
	 17425E00	Ø 30.8; plain	227495	0.002
Closing part	 17426E00	8602C3-733-B for closing unused holes in cover, Ø30.5 mm, NBR	244306	0.025
		8602C3-733-S for closing unused holes in cover, Ø30.5 mm, silicone	244307	0.025
Cylinder lock	 05445E00	for locking in the switched-off state (Ø 3 bracket)	107115	0.015
Symbol labels for pushbuttons and selector switches	Packing unit: 100 pieces			
	Colour Text			
	 16237E00	blue Blank label without text	215427	0.001
	 16236E00	yellow Blank label without text	215428	0.001
	 16235E00	red Blank label without text	215423	0.001
	 16234E00	green Blank label without text	215424	0.001
 16233E00	white Blank label without text	215426	0.001	

E4

Accessories and Spare Parts

Designation	Illustration	Description	Art. no.	Weight kg
Symbol labels for pushbuttons and selector switches		Packing unit: 100 pieces Colour Text		
	 <small>05585E00</small>	black Blank label without text	215425	0.001
	 <small>12627E00</small>	black I	227747	0.001
	 <small>09240E00</small>	green I	227750	0.001
	 <small>16232E00</small>	white I	227751	0.001
	 <small>15198E00</small>	black II	227754	0.001
	 <small>05598E00</small>	black II	227753	0.001
	 <small>05596E00</small>	red O	227740	0.001
	 <small>16231E00</small>	black O	227741	0.001
	 <small>05600E00</small>	red ↷	224243	0.001
	 <small>18606E00</small>	black ↗	227778	0.001
	 <small>16244E00</small>	black EIN	227808	0.001
	 <small>05579E00</small>	red OFF	227814	0.001
	 <small>09265E00</small>	red Aus	227810	0.001
	 <small>05631E00</small>	black Aus	227811	0.001
	 <small>16094E00</small>	red STOP	227804	0.001
 <small>09269E00</small>	blue RESET	227926	0.001	

Accessories and Spare Parts

Designation	Illustration	Description	Art. no.	Weight kg
Colour filter	 17596E00	for illuminated pushbuttons All colours packaged	248684	0.001
Caps	 17597E00	for indicator lamps All colours packaged	248685	0.003
Combination adaptor set	 05618E00	for combining 2 enclosures Attention! Lower enclosure: bore M25 in side C (top) is required Upper enclosure: bore M25 in side D (bottom) is required	130956	0.019
Equipment identification plate	 05603E00	plain; for fitting onto enclosure 8040; moulded material; with paper insert strips	130673	0.032
Flange made of brass	 05628E00	Assembly on sides C and D must be made in factory bores according to specification (up to M20 x 1.5 two threads are possible)	130961	0.280
		with thread 1 x M 25 x 1.5	130962	0.280
		with thread 2 x M 20 x 1.5	130965	0.280
Flange made of polyester resin	 05625E00	Assembly on sides C and D must be made in factory dark-grey thread according to specification	130964	0.900
		with thread 2 x M20 x 1.5	130971	0.050
		with thread 2 x M25 x 1.5	130969	0.001
Brass plate	 05633E00	for grounding cable glands made of metal Installation on sides C and D possible		
		Threaded hole M20 x 1.5	130711	0.042
		Threaded hole M25 x 1.5	130718	0.037
Note	When using locking mechanisms (see Accessories and Spare Parts), a Z must be specified as additional information in the order form, and the order number must be supplemented by text. Example: 8040/1180Z-03L24BA05 with locking mechanism BG010			

Order Form

This order form serves as master copy.

Device no. 1

	Height	Size	Cable entry and cable gland	Flange	Additional information	-
8040/	[Redacted]					
	Installation position 1	-	Installation position 2	-	Installation position 3	
	[Redacted]		[Redacted]		[Redacted]	
	Additional information					
	[Redacted]					

Device no. 2

yes no

Combination with device no. 1 [Redacted]

When devices are combined, the selection of the bores and flanges shall be done by R. STAHL.

	Height	Size	Cable entry and cable gland	Flange	Additional information	-
8040/	[Redacted]					
	Installation position 1	-	Installation position 2	-	Installation position 3	
	[Redacted]		[Redacted]		[Redacted]	
	Additional information					
	[Redacted]					

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