

# Control and signalling devices

Control device system Series ConSig 8040

Pushbutton

8040/12E8X-01L12SA05-01L09SA05 Art. No. 287013



ConSig



- Quad certified control stations (NEC®, CE Code, ATEX, IECEX)
- Lightweight enclosure made of glass fibre reinforced polyester (FRP), excellent for corrosive atmospheres
- Offers a variety of pushbuttons, illuminated pushbuttons, control switches and LEDs for different configurations
- Customisable control stations available upon request with different entry, contact options and additional certifications

MY R. STAHL 8040E



R. STAHL's series 8040 NEC® / CE Code control stations utilize explosion-protected components with non-metallic enclosures for the ultimate flexibility, safety and durability in hazardous and hostile locations. Choose from one of the standard versions or contact us for a customised solution.

## Technical Data

### Explosion Protection

Area of application	European Union (ATEX) Canada IECEX USA
Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEX PTB 06.0025
IECEX gas certificate	PTB 01 ATEX 1105
IECEX gas explosion protection	Ex db eb IIC T6 Gb
IECEX dust certificate	IECEX PTB 06.0025
IECEX dust explosion protection	Ex tb IIIC T80 °C Db
ATEX gas certificate	PTB 01 ATEX 1105
ATEX gas certificate	PTB 01 ATEX 1105
ATEX gas explosion protection	⊕ II 2 G Ex db eb IIC T6 Gb
ATEX dust certificate	PTB 01 ATEX 1105
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °C Db
Certificate ULus	E182378V1S5
Marking ULus	Class I, Div. 2, Groups A,B,C,D Class II, III, Div. 2, Groups F,G Class I, Zone 1, AEx db eb IIC T6 Enclosure Type 3, 4, 4X
Certificate cUL	E182378V1S5
Marking cUL	Ex db eb IIC T6 Class I, Div. 2, Groups A,B,C,D Class II, III, Div. 2, Groups F,G Enclosure Type 3, 4, 4X
Certificates	ATEX (PTB), Brazil (ULB), Canada (UL), China (NEPSI), IECEX (PTB), India (PESO), Korea (KGS), Taiwan (ITRI), USA (UL)
Ship approval	DNVGL
Notes	Product label for standard configurations as NEC®, CE Code, ATEX, and IECEX. For additional certifications, contact factory.

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## Electrical Data

Rated operational voltage AC	550 V
Rated operational current	10 A

## Ambient Conditions

Ambient temperature	-50 °C ... 40 °C
Ambient temperature	-58 °F ... +104 °F

## Mechanical Data

IP degree of protection (IEC 60529)	IP66
Enclosure type (UL50 & UL50E)	3, 4, 4X
Enclosure material	Polyester resin, Glass fibre reinforced
Enclosure colour	Dark grey
Silicone-free	No
Clamping range AWG	14 AWG
Connection cross-section max.	2.5 mm <sup>2</sup>
Solid connection cross section	0.32 – 2.5 mm <sup>2</sup>
Connection cross-section AWG single stranded	22 AWG ... 14 AWG
Finely stranded connection cross section	0.32 – 2.5 mm <sup>2</sup>
Finely stranded connection cross-section AWG	22 AWG ... 14 AWG
Cover fixing type	With captive screws, M4 stainless steel screws
Width	80 mm
Width, inches	3.15 in
Height	139 mm
Height in inches	5.47 in
Depth	72 mm
Depth in inches	2.76 in
Seal	Silicone, foamed
Weight	906 g
Weight	2 lb

## Mounting / Installation

Tightening torque of cover screw 1	1.4 Nm
Tightening torque of cover screw 1 lbf in	12.4 lbf in

## Components

Installation position top	Pushbutton, Green – "START", With silicone seal
Built-in element top	Contact element NC/NO
Installation position bottom	Pushbutton, Red - "STOP", With silicone seal
Built-in element bottom	Contact element NC/NO
Flange and plates	Metal plate, bottom
Entry type	CMP
Entry 1 type	Metal adaptor
Entry 1	NPT 3/4"
Metal entry possible 1	Yes

# Control and signalling devices

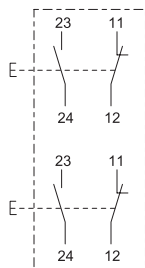
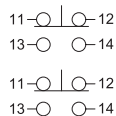
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Pushbutton

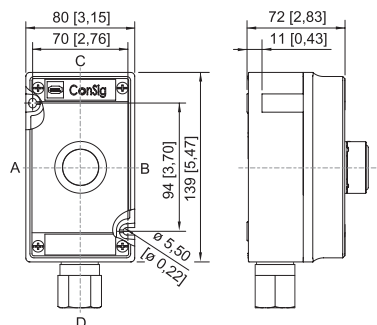
8040/12E8X-01L12SA05-01L09SA05 Art. No. 287013



## Technical Drawings – Subject to Alterations



## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



ConSig 8040/12 NEC

## Accessories

### Pushbutton BG001



Ø 39 mm  
Black  
Designation plate: Black, blank disc without text  
Front panel mounting  
Silicone-free: No

Art. No.

223692

## Spare Parts

### Designation plates set for BG001, BG023



The button label set contains nine labels  
6x blank disc without text in red, green, white, blue, yellow and black  
1x red label, text: STOP  
1x green label, text: START  
1x blue label, text: RESET

Art. No.

321791

### Label holder



Size 1, without insert disc, 1-line label  
for actuators Ø 39

Art. No.

223566



Size 2, without insert disc, 1- or 2-line label  
for actuators Ø 39

Art. No.

223567


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	Size 3, without insert disc, 1-, 2- or 3-line label for actuators Ø 39	223568
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### Locking devices

Art. No.

	8602C3-753 for not actuated pushbutton BG001	244870
	8602C3-754 for actuated pushbutton BG001	244871
	8602C3-755 for not actuated pushbutton BG001	244872

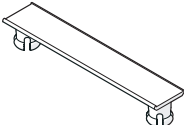
### Special key

Art. No.

	for tightening plastic locking nut	169101
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### Tag label

Art. No.

	plain for attaching to enclosure 8040; moulded material; with paper insert strip	130673
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We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.