

# Control and signalling devices

Control device system Series ConSig 8040

LED indicator lamp and twin pushbutton

8040/12E8X-54C01SA70-23D08SA05 Art. No. 287014



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 explosion protection	Ex db eb IIC T6 Gb
IECEX dust certificate	PTB 01 ATEX 1105
IECEX dust explosion protection	Ex tb IIIC T80 °C Db
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.

### Electrical Data

AC rated operational voltage	690 V
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## Electrical Data

Rated operational current	10 A
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## Ambient Conditions

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

Degree of protection IP (IEC 60529)	IP66
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Enclosure type (UL50 & UL50E)	3, 4, 4X
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Enclosure material	Polyester resin, Glass fibre reinforced
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Enclosure colour	Dark grey
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Silicone-free	No
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Clamping range AWG	14 AWG
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Connection cross-section max.	2.5 mm <sup>2</sup>
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Solid connection cross section	0.32 – 2.5 mm <sup>2</sup>
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Connection cross-section AWG single stranded	22 AWG ... 14 AWG
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Finely stranded connection cross section	0.32 – 2.5 mm <sup>2</sup>
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Finely stranded connection cross-section AWG	22 AWG ... 14 AWG
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Cover fixing type	With captive screws, M4 stainless steel screws
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Width	80 mm
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Width, inches	3.15 in
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Height	139 mm
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Height in inches	5.47 in
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Depth	72 mm
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Depth in inches	2.76 in
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Seal	Silicone, foamed
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Weight	900 g
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## Mounting / Installation

Tightening torque of cover screw 1	1.4 N · m
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Tightening torque of cover screw 1 lbf in	12.4 lbf in
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## Components

Installation position top	Indicator lamp bezel, Red, With silicone seal
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Built-in element top	LED indicator lamp
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Installation position bottom	Twin pushbutton, "STOP"/red – "START"/green, With silicone seal
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Built-in element bottom	Contact element NC/NO
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Flange and plates	Metal plate, bottom
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Cable glands and entries	NPT 3/4
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Entry type	CMP
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Entry 1 type	Metal adaptor
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Entry 1	NPT 3/4"
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Metal entry possible 1	Yes
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# Control and signalling devices

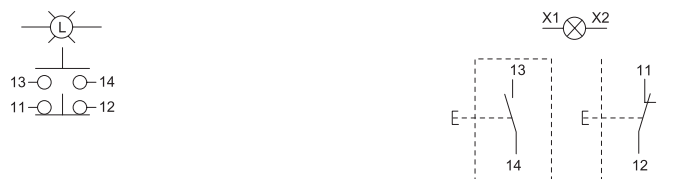


Control device system Series ConSig 8040

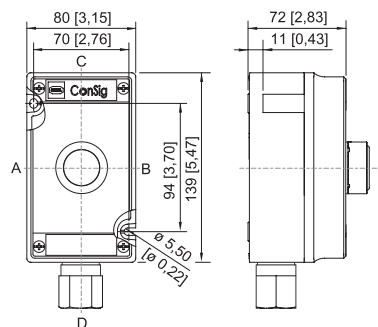
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## Technical Drawings – Subject to Alterations



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



ConSig 8040/12 NEC

## Accessories

### Indicator lamp bezel

		Art. No.
	Diameter 39 mm All colours Silicone-free: No	223123

### Twin pushbutton

		Art. No.
	Black Front panel mounting Silicone-free: No	244639

## Spare Parts

### Caps for BG054

		Art. No.
	for indicator lamp, all colours packaged	248685

### Designation plates set for BG001, BG023

		Art. No.
	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	321791





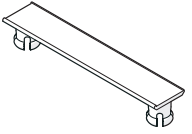
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Label holder		Art. No.
	Size 1, without insert disc, 1-line label for actuators Ø 39	223566
	Size 2, without insert disc, 1- or 2-line label for actuators Ø 39	223567
	Size 3, without insert disc, 1-, 2- or 3-line label for actuators Ø 39	223568
Special key		Art. No.
	for tightening plastic locking nut	169101
Tag label		Art. No.
	plain for attaching to enclosure 8040; moulded material; with paper insert strip	130673

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.