



01719E00



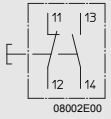



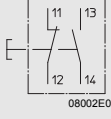


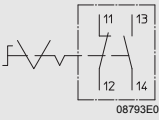

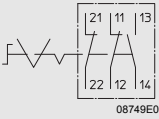


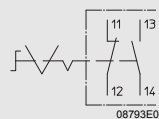

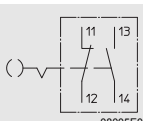
The enclosure series ConSig 8040 makes it possible to assemble different control units in a clear layout. Due to the fact that a wide range of control devices is available this enclosure covers a broad field of applications.

STAHL

Control Unit System Series ConSig 8040


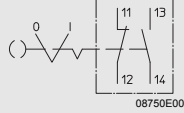

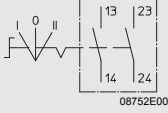



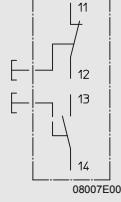

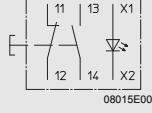

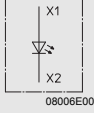
- Explosion protection according to
 - CENELEC
 - IEC
 - NEC
- For use in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- Standard and customized units
- 3 sizes available
- Enclosures in glass fibre reinforced polyester resin
- Up to 3 insertion points available per individual unit
- Control unit with 4 insertion points, see under control stations series 8146, enclosure 8146/.24.
- Individual units can be combined into larger units
- Options:
 - flanges in brass or moulded material
 - metal plates where metal cable entries are used
 - equipment identification plate can be attached
- Contact elements 8082 and 8208 with SIL certificates
- On request with contact element 8208 for extra low currents, with open-circuit and short-circuit monitoring

Zones 1 & 2, 21 & 22


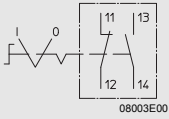

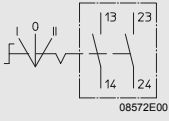


Selection Table						
Version			Order number	Weight kg		
Pushbutton  <p>01646E00</p>	green	 09240E00	 08002E00	8040/1180X-01L50BA05	0.370	
	red	 05596E00				
Mushroom pushbutton  <p>05792E00</p>	∅ 38 mm	black	 12627E00	 08002E00	8040/1180X-03L24BA05	0.400
Mushroom stay-put button  <p>05512E00</p>	∅ 38 mm EM-STOP	red	 05600E00	 08793E00	8040/1180X-10L07BA05	0.400
	∅ 38 mm EM-STOP	red	 05600E00	 08749E00	8040/1180X-10L07BA08	0.410
Mushroom stay-put button  <p>04679E00</p>	∅ 55 mm EM-STOP	red	 05600E00	 08793E00	8040/1180X-15L07BA05	0.400
Mushroom stay-put button key release  <p>05769E00</p>	∅ 38 mm EM-STOP	red		 08005E00	8040/1180X-09XXXBA05	0.450



Selection Table





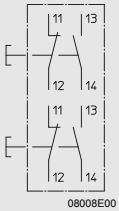



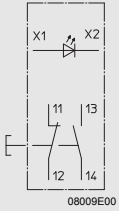




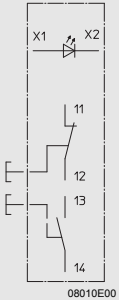
Version		Order number	Weight kg
<p>Key-operated switch</p>  <p>05798E00</p>	<p>2 switching positions key withdrawable in 0 + I</p>  <p>08750E00</p>	<p>8040 / 1180X-08M01XA05</p>	<p>0.450</p>
<p>Key-operated switch</p>  <p>05725E00</p>	<p>3 switching positions key withdrawable in I + 0 + II</p>  <p>08752E00</p>	<p>8040 / 1180X-08M03XA04</p>	<p>0.450</p>
<p>Twin pushbutton</p>  <p>05710E00</p>	<p>green</p>  <p>09240E00</p> <p>red</p>  <p>05596E00</p>  <p>08007E00</p>	<p>8040 / 1180X-23D01BA05</p>	<p>0.400</p>
<p>Illuminated pushbutton</p>  <p>05797E00</p>	<p>spring return</p> <p>All colour filters included (clear, red, yellow, green, blue)</p>  <p>08015E00</p>	<p>8040 / 1180X-35C06BA45</p>	<p>0.400</p>
<p>Indicating lamp</p>  <p>05800E00</p>	<p>Diode indicating lamp</p> <p>All colour filters included (clear, red, yellow, green, blue)</p>  <p>08006E00</p>	<p>8040 / 1180X-54C06XXXX</p>	<p>0.125</p>













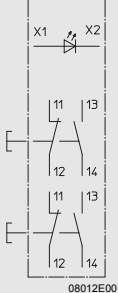
Selection Table												
Version		Order number	Weight kg									
<p>Selector switch with contact element 8082</p>  <p>05794E00</p>	<p>2 switching positions</p>  <p>08003E00</p>	8040/1180X-26M01XA05	0.420									
<p>Selector switch with switch element 8082</p>  <p>05801E00</p>	<p>3 switching positions</p> <table border="1" data-bbox="619 757 794 846"> <tr> <td>I</td> <td>O</td> <td>II</td> </tr> <tr> <td>X</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>X</td> </tr> </table>  <p>08753E00 08572E00</p>	I	O	II	X					X	8040/1180X-26M03XA04	0.420
I	O	II										
X												
		X										
<p>Control switch, 2 pole with switch element 8008</p>  <p>05791E00</p>	<p>with large actuator not padlockable</p> <p>Please state:</p> <p>Switch > Contact arrangement (switch 8008) > Labelling</p>	8040/1180Z-31E...F..	0.440									
<p>Control switch, 2 pole with switch element 8008</p>  <p>05726E00</p>	<p>with small actuator padlockable in 1 position</p> <p>Please state:</p> <p>Switch > Contact arrangement (switch 8008) > Labelling with small actuator padlockable in 1 position</p> <p>Please state:</p> <p>Switch > Contact arrangement (switch 8008) > Labelling</p>	8040/1180Z-34E...XF..	0.420									



Selection Table




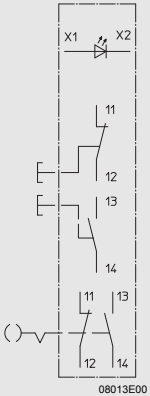


Version		Order number	Weight kg
<p>Control switch, 2 pole with switch element 8008</p>  <p>05711E00</p>	<p>with small actuator not padlockable</p> <p>Please state: Switch > Contact arrangement (switch 8008) > Labelling</p>	<p>8040 / 1180Z-32E . .XF . .</p>	<p>0.420</p>
<p>Twin pushbutton</p>  <p>05771E00</p>	<p>green  09240E00</p> <p>red  05598E00</p>  <p>08008E00</p>	<p>8040 / 1280X-01L13BA05-01L08BA05</p>	<p>0.460</p>
<p>Diode indicating lamp and pushbutton</p>  <p>05772E00</p>	<p>All colour filters included (clear, red, yellow, green, blue)</p> <p>red  09767E00</p>  05598E00  <p>08009E00</p>	<p>8040 / 1280X-54C06XXXX-01L08BA05</p>	<p>0.460</p>
<p>Diode indicating lamp and twin pushbutton</p>  <p>02314E00</p>	<p>All colour filters included (clear, red, yellow, green, blue)</p> <p>green  09767E00</p>  09240E00 <p>red  05598E00</p>  <p>08010E00</p>	<p>8040 / 1280X-54C06XXXX-23D01BA05</p>	<p>0.540</p>





Selection Table			
Version		Order number	Weight kg
<p>Ammeter 8405</p>  <p>05576E00</p>	<p>Please state:</p> <p>Ammeter > Measurement range, see ammeter 8405 > Measuring method (direct = d or converter = W)</p>	<p>8040 / 1280Z - 40XXXXN . .</p>	<p>0.490</p>
<p>Triple pushbutton</p>  <p>05802E00</p>	<p>green</p>  <p>09240E00</p> <p>red</p>  <p>05596E00</p> <p>green</p>  <p>05598E00</p>  <p>08011E00</p>	<p>8040 / 1380X - 01L13BA05 - 01L08BA05 - 01L15BA05</p>	<p>0.580</p>
<p>2 pushbuttons with indicating lamp</p>  <p>03118E00</p>	<p>All colour filters included (clear, red, yellow, green, blue)</p>  <p>09767E00</p> <p>red</p>  <p>05596E00</p> <p>green</p>  <p>05598E00</p>  <p>08012E00</p>	<p>8040 / 1380X - 54C06XXXX - 01L13BA05 - 01L08BA05</p>	<p>0.640</p>



Selection Table

Version		Order number	Weight kg
<p>Twin pushbutton with mushroom stay-put button key release and indicating lamp</p>  <p>02315E00</p>	<p>All colour filters included (clear, red, yellow, green, blue)</p> <p>green</p>  <p>09240E00</p> <p>red</p>  <p>05596E00</p> <p>red</p>  <p>08013E00</p>	<p>8040 / 1380X-54C06XXXX-23D01BA05-09XXXXBA05</p>	<p>0.750</p>
<p>Ammeter 8405 and control switch 8008, 2 pole</p>  <p>05770E00</p>	<p>Please state:</p> <p>Ammeter</p> <ul style="list-style-type: none"> > Measurement range, see ammeter 8405 > Measuring method (direct = d or converter = W) <p>Switch</p> <ul style="list-style-type: none"> > Contact arrangement (switch 8008) > Labelling 	<p>8040 / 1380Z-40XXXXN... - 31E...F..</p>	<p>0.780</p>
<p>Control switch 8008, 4 pole</p>  <p>05775E00</p>	<p>with large actuator not padlockable</p> <p>Please state:</p> <p>Switch</p> <ul style="list-style-type: none"> > Contact arrangement (switch 8008) > Labelling 	<p>8040 / 2380Z-31E...F..</p>	<p>0.770</p>

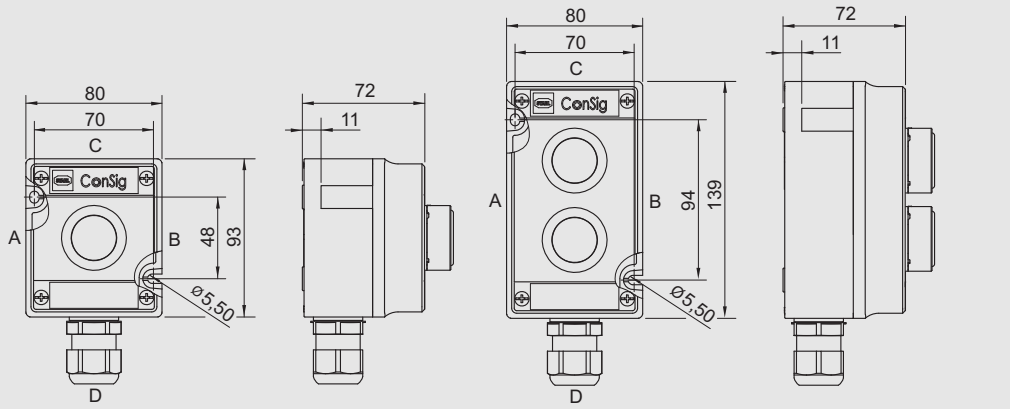


Selection Table			
Version		Order number	Weight kg
 <p>Control switch, 4 pole and ammeter</p> <p>05777E00</p>	<p>Control switch 8008 4 pole, with large actuator not padlockable, ammeter 8405</p> <p>Please state:</p> <p>Ammeter > Measurement range > Measuring method (direct = d or converter = W)</p> <p>Switch > Contact arrangement (switch 8008) > Labelling</p>	8040/2380Z-40XXXXN...-31E...F.	0.930
 <p>Control switch, 4 pole and indicating lamp</p> <p>05778E00</p>	<p>Control switch 8008 4 pole, with large actuator not padlockable</p> <p>Please state:</p> <p>Switch > Contact arrangement (switch 8008) > Labelling</p> <p>Indicating lamp 8010 > All colour filters included (clear, red, yellow, green, blue)</p>	8040/2380Z-54C06XXXX-31E...F..	0.800

Technical Data	
Explosion protection	
Gas explosion protection	⊕ II 2 G Ex edqm ia/ib [ia/ib] II, IIA, IIB, IIC, T6, T5 or T4
Dust explosion protection	⊕ II 2 D Ex tD A21 IP 65 T 80 °C, T 95 °C, T 130 °C
Certificates	
Gas explosion protection	PTB 01 ATEX 1105
Dust explosion protection	PTB 01 ATEX 1105
Other certificates	SIMTARS (Australia), CSA (Canada), UL (USA), CTB (Russia), UL do Brasil (Brazil)
Rated voltage	max. 690 V, AC
Rated current	depends on components used
Operating temperature range	- 20 °C ... + 40 °C - 50 °C ... + 60 °C on request
Cable entry	Standard: 1 x M 25 x 1.5; cable gland 8161; side below (D); directly mounted into enclosure wall Special: in side C (top) and/or side D (below); 1 x M 20 x 1.5; 1 x M 25 x 1.5 metal cable glands are possible; mounting of metal cable glands in metal flange or via metal adapter plate
Max. cross-section for connection	2.5 mm ²
Terminal tightening torque	max. 1.2 Nm
Flanges	In standard design the enclosures are without flanges. On request they can be fitted with flanges on sides C and D. Flanges are available in: polyester resin or in brass.
Type of Protection	IP66
Material	
Enclosure material	Polyester resin (glass fibre-reinforced)
Seal	PU foam
Cover fixing	M 4, cheese head screws, imprescriptible, stainless steel

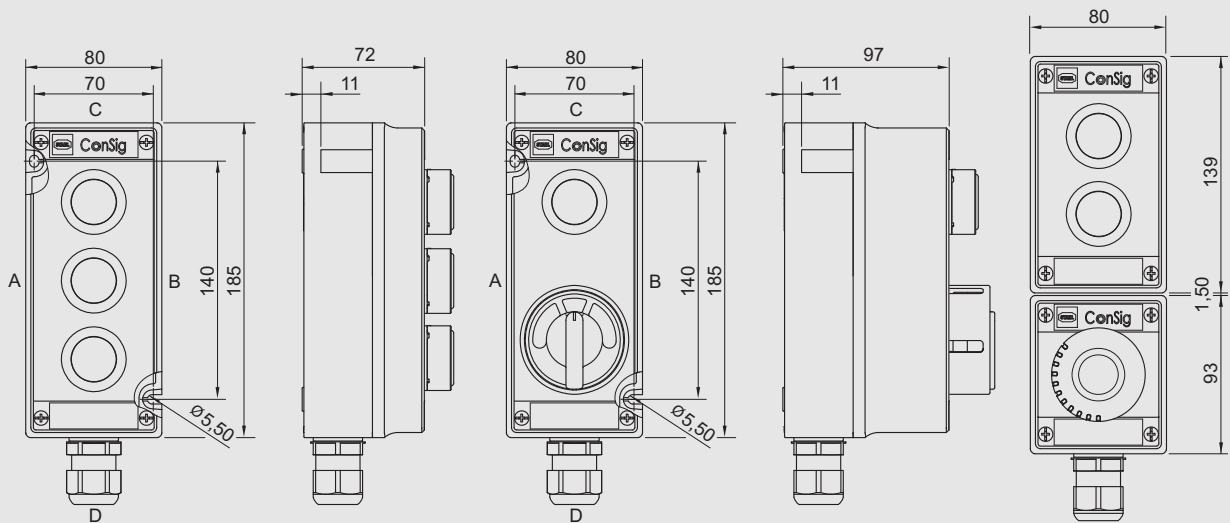


Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



ConSig 8040/11

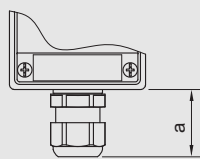
ConSig 8040/12



ConSig 8040/13

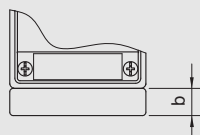
ConSig 8040/23

ConSig 8040/11
and ConSig 8040/12
combination



04584E00

Additional dimensions for cable entries Series 8161



04585E00

Additional dimensions for flanges

	Dim. a [mm]	
	min.	max.
M 20	25	31
M 25	27	33

	Dim. b [mm]
Flange	16
Brass	16
Moulded material	16

We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.

