



Control Unit System Series ConSig 8040

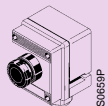


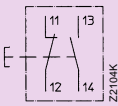
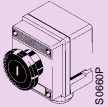

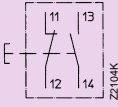
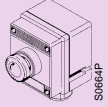


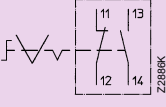

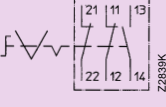
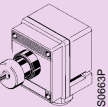
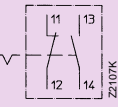
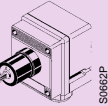
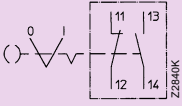
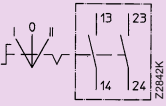
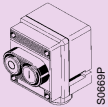



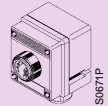
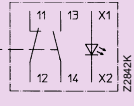
- Explosion protection to
 - CENELEC
 - IEC
 - NEC
- Can be used in Zone 1 and Zone 2
- Standard and customized units
- 3 sizes available
- Enclosures in glass fibre reinforced polyester resin
- Up to 3 insertion points available per individual unit
- Individual units can be combined into larger units
- Options:
 - flanges in brass or moulded plastic
 - metal plates where metal cable entries are used
 - equipment identification plate can be pushed on

D4502p

The enclosure series ConSig 8040 makes it possible to assemble different control units in a clear layout. Since there is a wide range of control devices which can be incorporated this enclosure covers a broad field of applications.

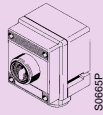

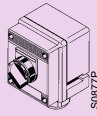
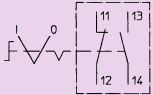
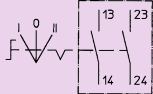
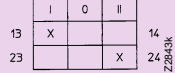
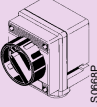
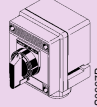
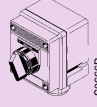
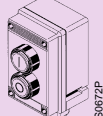



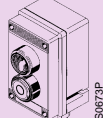


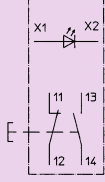
Zone 1 and Zone 2



Selection table			
Designation	Description	Ordering code	Weight [kg]
Control unit size 1			
Pushbutton	 Degree of protection IP 66  green  red	 Z2104K 8040/1150.001+0/rt/l/gn – 060 (80 400 06 01 0)	0,37
		8040/1150.001+0/rt/l/gn – 060 (80 400 06 01 0)	
Mushroom button	 Degree of protection IP 66 Ø 38 mm  black	 Z2104K 8040/1150.003+l/sw – 060 (80 400 07 01 0)	0,40
Mushroom stayput	 Degree of protection IP 66 Ø 38 mm EM-STOP  red  red Ø 55 mm EM-STOP	 Z2889K 8040/1150.010 – 060 (80 400 13 01 0)	0,40
		8040/1150.015 – 060 (80 400 15 01 0)	
	Degree of Protection IP 66 Ø 38 mm EM-STOP  red	 Z2839K 8040/1150.010 – 762 (80 400 46 01 0)	0,41
Mushroom stayput key release	 Degree of Protection IP 66 Ø 38 mm red EM-STOP	 Z2107K 8040/1150.009 – 060 (80 400 12 01 0)	0,45
Key-operated switch	 2 switching positions key withdrawable in position... 0 + I Degree of protection IP 66 3 switching positions key withdrawable in position... I + 0 + II	 Z2840K 8040/1150.008 – 060 (80 400 11 01 0)	0,45
		 Z2842K 8040/1150.308+3/rr – 062 (80 400 49 01 0)	
Twin pushbutton	 Degree of protection IP 65  green  red	 Z2109K 8040/1150.023+l/gn/0/rt – 060 (80 400 23 01 0)	0,40
Illuminated pushbutton	 Degree of protection IP 66 spring-return	 Z2842K 8040/1150.735+¹ – 737+¹ (80 400 24 01 0) Please specify indicating lamp colour red rt ¹ yellow ge ¹ green gn ¹ white ws ¹ blue bl ¹	0,40

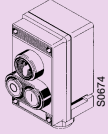




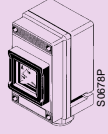
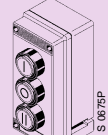



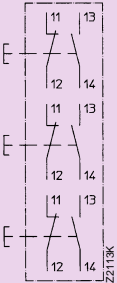
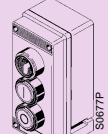




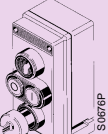




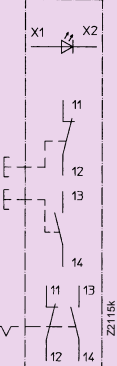
Continuation →

Selection table (Continuation)

Designation	Description	Ordering code	Weight [kg]
Control units size 1 – Continuation			
Indicating lamp	 Diode indicating lamp Degree of protection IP 66  Z2108K	8040/1150.054+₋¹ – 064+₋¹ (80 400 24 01 0)	0,42
		Please specify indicating lamp colour red rt ¹⁾ yellow ge ¹⁾ green gn ¹⁾ white ws ¹⁾ blue bl ¹⁾	
Selection switch with switch element 8082	 2 switching positions  Z2105K	8040/1150.726+ 2/r – 060 (80 400 48 01 0)	0,42
	3 switching positions  Z2942K  Z2843K	8040/1150.726+3/rr – 062 (80 400 49 01 0)	0,42
Control switch, 2-pole, with switch element 8008	 Degree of protection IP 65 with large actuator, cannot be padlocked Please specify: ²⁾ Contact arrangement see page 9/97 ³⁾ Labeling see page 9/59	8040/1150.731+₋³ – 160+₋² (80 400 18 01 0)	0,44
	 Degree of protection IP 65 with small actuator, lockable in 1 position Please specify: ²⁾ Contact arrangement see page 9/97 ³⁾ Labeling see page 9/59	8040/1150.734+₋³ – 160+₋² (80 400 20 01 0)	0,42
	 Degree of protection IP 65 with small actuator, cannot be padlocked Please specify: ²⁾ Contact arrangement see page 9/97 ³⁾ Labeling see page 9/59	8040/1150.732+₋³ – 160+₋² (80 400 19 01 0)	0,42
Note: For other control switches using switch element 8008, 4-pole, see control units, size 3, page 9/50			
Control units size 2			
Twin pushbutton	 Degree of protection IP 66  green  red  Z2110K	8040/1250.001+l/gn – 060 .001+0/rt – 060 (80 400 25 01 0)	0,46
Diode indicating lamp and pushbutton	 Degree of protection IP 66   red  Z2111K	8040/1250.054+₋¹ – 064+₋¹ .001+0/rt – 060 (80 400 26 01 0)	0,46
		Please specify indicating lamp colour red rt ¹⁾ yellow ge ¹⁾ green gn ¹⁾ white ws ¹⁾ blue bl ¹⁾	

Continuation →

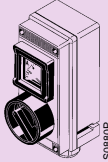
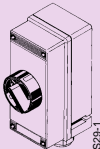
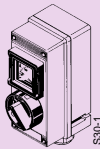
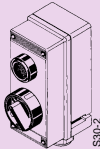
Selection table (Continuation)

Designation	Description	Ordering code	Weight [kg]
Control units size 2 – Continuation			
Diode indicating lamp and twin pushbutton	 <p>Degree of protection IP 66</p>    	<p>8040/1250.054+₋₁ – 064₋₁ .023+ I/gn-0/rt-60</p> <p>Please specify indicating lamp colour</p> <p>red rt¹⁾ yellow ge¹⁾ green gn¹⁾ white ws¹⁾ blue bl¹⁾</p>	0,54
Ammeter 8405	 <p>Degree of protection IP 66</p> <p>Please specify: 4) Measurement range, see page 9/101 5) Measuring method direct = D or converter = W</p>	<p>8040/1250.740-086+₋₄/₋₅ (80 400 36 01 0)</p>	0,49
Control units size 3			
Tripple pushbutton	 <p>Degree of protection IP 66</p>    	<p>8040/1350.001+ I/gn-060 .001+ 0/rt-060 .001+ II/gn-060</p>	0,58
2 pushbuttons with diode-indicating lamp	 <p>Degree of protection IP 66</p>    	<p>8040/1350.054+₋₁-064+₋₁ .001+ I/gn-060 .001+ 0/rt-060 (80 400 30 01 0)</p> <p>Please specify indicating lamp colour</p> <p>red rt¹⁾ yellow ge¹⁾ green gn¹⁾ white ws¹⁾ blue bl¹⁾</p>	0,54
Twin pushbutton with mushroom stayput key release and indicating lamp	 <p>Degree of protection IP 65</p>     	<p>8040/1350.054+₋₁-064+₋₁ .023+ I/gn-0/rt-60 .009-060 (80 400 33 01 0)</p> <p>Please specify indicating lamp colour</p> <p>red rt¹⁾ yellow ge¹⁾ green gn¹⁾ white ws¹⁾ blue bl¹⁾</p>	0,75



Continuation →

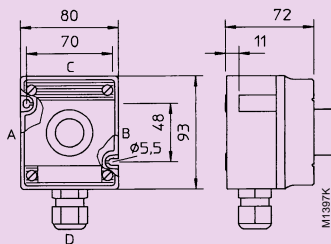
Selection table (Continuation)

Designation	Version	Ordering code	Weight [kg]
Control units size 3, size 1			
Ammeter 8405 and control switch 8008, 2-pole	 <p>Degree of protection IP 65</p> <p>Please specify:</p> <ol style="list-style-type: none"> Contact arrangements see page 9/97 Switch position labeling Measuring range, see page 9/101 Measuring method (direct = D or converter = W) 	8040/1350.740 – 086+³⁾/₋⁴⁾ .731+₋²⁾-160+₋¹⁾	0,90
Control units size 3, size 2			
Control switch 8008, 4-pole	 <p>Degree of protection IP 65 with large actuator cannot be padlocked</p> <p>Please specify:</p> <ol style="list-style-type: none"> Contact arrangements see page 9/97 Switch position labeling 	8040/2350.731+₋²⁾ – 161+₋¹⁾	0,77
Control switch, 4-pole, with ammeters	 <p>Degree of protection IP 65 Control switch 8008 4-pole with large rotary actuator cannot be padlocked ammeter 8405</p> <p>Please specify:</p> <ol style="list-style-type: none"> Contact arrangements see page 9/97 Switch position labeling Measure range, see page 9/101 Measuring method (direct = D or converter = W) 	8040/2350.740 – 086+₋³⁾/₋⁴⁾ .731+₋²⁾-161+₋¹⁾	0,93
Control switch, 4-pole, with indicating lamp	 <p>Control switch 8008 4-pole with large rotary actuator cannot be padlocked indicating lamp 8405 degree of protection IP 65</p> <p>Please specify:</p> <ol style="list-style-type: none"> Contact arrangements see page 9/97 Switch position labeling 	8040/2350.054+₋¹⁾ – 064+₋¹⁾ .731+₋³⁾-161+₋²⁾ Please specify indicating lamp colour red rt ¹⁾ yellow ge ¹⁾ green gn ¹⁾ white ws ¹⁾ blue bl ¹⁾	0,80

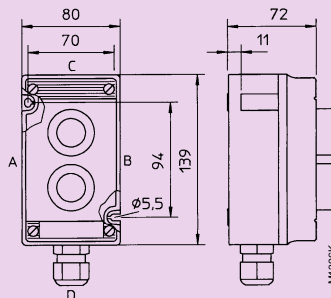
Attention: any other actuation combination can be specified when ordering. For actuators, see options under control units size 1.

Technical data	
Explosion protection	EEx dem IIC T6
Test certificate	PTB Nr. Ex-93.C.1036 Other certificates: BKI (Hungary), SIMTARS (Australia), CSA (Canada), SZS (Yugoslavia), FTZU (Czech Republic), UL (USA), PTB (Germany), VNIIEF (Russia), SEV (Switzerland)
Material	
Enclosure	Polyester resin (GF)
Gasket	EPDM
Cover fixing	M 4, cheese head screws, imprescriptible, stainless steel
Rated voltage	max. 690 V, AC
Rated current	dependent on components used
Degree of protection	IP 65 (IP 66/IP 67 on request)
Ambient temperature	-20° C ... +40° C
Cable glands	
Standard	1 x Pg 16 cable gland 8161, side below (D), directly mounted into enclosure wall
Special	in side C (top) and/or D (below) 1 x Pg 16, 1 x Pg 21; 2 x Pg 16*; 1 x M 20 x 1,5; 1 x M 25 x 1,5 *in plastic flange only; metal cable glands are possible; mounting of metal cable glands in metal flange or via metal adapter plate
Flange	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, powder-coated, dark grey similar to RAL 7024

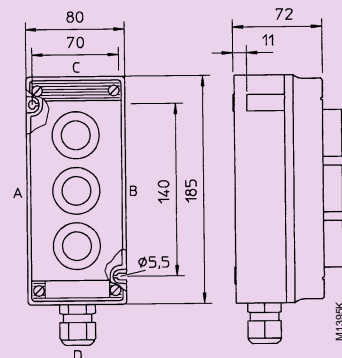
Dimensions, all dimensions in mm – subject to alteration



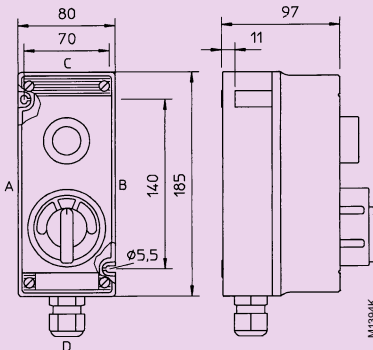
ConSig 8040/11
Single control unit



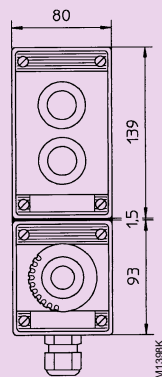
ConSig 8040/12
Twin control unit



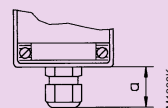
ConSig 8040/13
Tripple control unit



ConSig 8040/23
Twin control unit
with large actuator

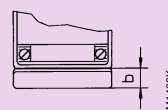


**ConSig 8040/11
and 8040/12**
enclosure combination



Additional dimension – cable glands 8161

	Dimension [mm]	
	max.	min.
Pg 16	33	27
Pg 21	39	32
M 20	31	25
M 25	33	27



Additional dimension – flanges

Flange	b [mm]
Brass	16
Plastic	16

