

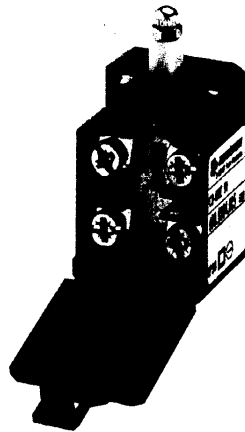
# Plastic bodied compact limit switches

## Combi C2

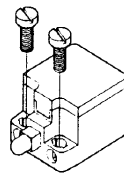
For confined spaces  
 With two mounting options  
 Protection class IP 30  
 With snap-shut, hinged lid



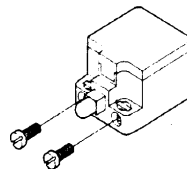
- Compact switches for safety or control applications
- 3 different contact configurations available as slow-action and snap-action
- All normally-closed contacts are positive break ⊕
- Two channel safety control possible
- Galvanically isolated terminals, type Zb
- Approvals UL, CSA, BG (applied for)
- Rectangular cable inlets (8.5 x 3.5 mm) for 4 x 1-mm<sup>2</sup> flexible lead
- 4 screw-type connections (M3,5) with self-lifting clamps
- PBT enclosure, glass-fibre reinforced, self-extinguishing UL 94-V0
- Lid, PC UL 94-V0
- 2 mm contact opening of slow-action system according to EN 81-1 for lift applications



### Mounting



a) 2 holes for M4 screws



b) 2 captive M3 nuts for end mounting (depending on type)

### Switching elements

Switching element	Switch function	Switch contact	Designation	Voltage	Continuous current
Slow-action	changeover	1NC/1NO	U1Z	250 V	10 A
Snap-action	changeover	1NC/1NO	SU1Z	250 V	10 A
Slow-action	normally-closed	2NC	A2Z	250 V	10 A
Snap-action	normally-closed	2NC	SA2Z	250 V	10 A
Slow-action	normally-open	2NO	E2	250 V	10 A
Snap-action	normally-open	2NO	SE2	250 V	10 A



Designation

**Part no.**

Switching diagram

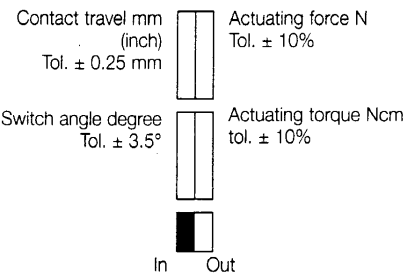
⊕ positive break according to IEC 947-5-1 Chap. 3

Za: changeover contact is not galvanically isolated

Zb: changeover contact is galvanically isolated

Slow-action contact/snap-action contact

Gasket inside (rw)/outside (w)



Voltage max.  
 Continuous current max.  
 Making current, acc. to IEC 947-5-1 AC 15/DC 13

Switching frequency max.  
 Mech. operational life - number of switching cycles  
 Ambient temperature min./max.

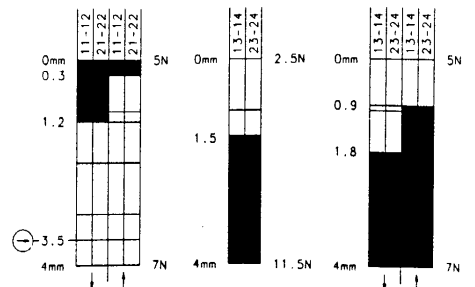
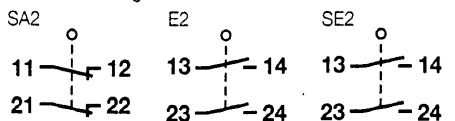
Approvals

(applied for)

Weight

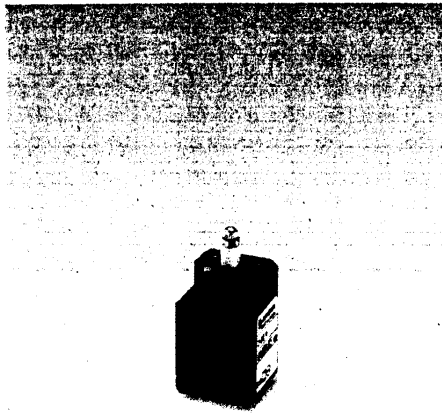
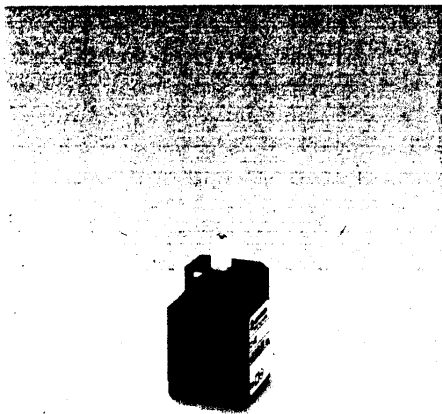
Type of storage/time of delivery as agreed

Further switching functions

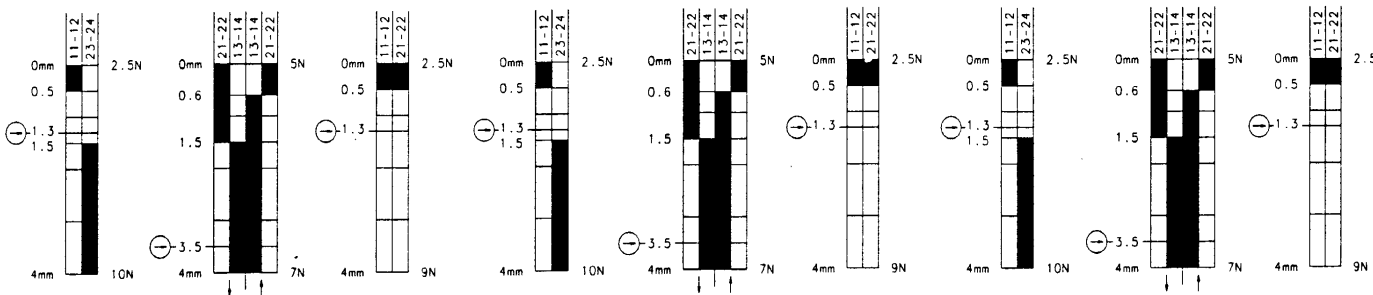


Dimensions

All dimensions in mm (inch)

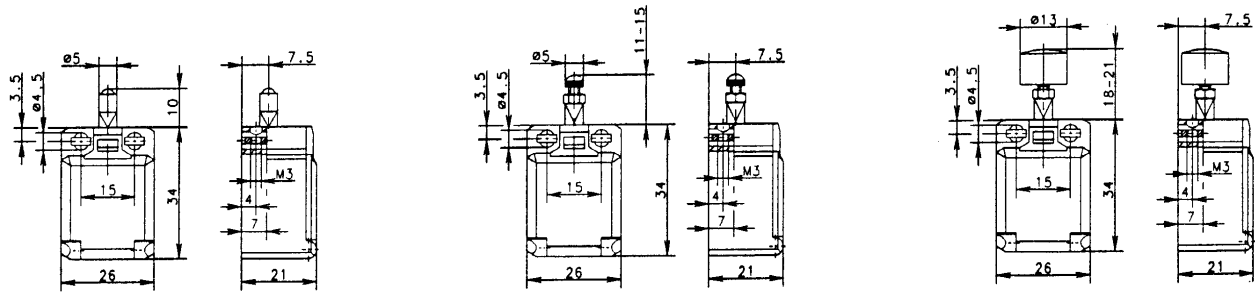


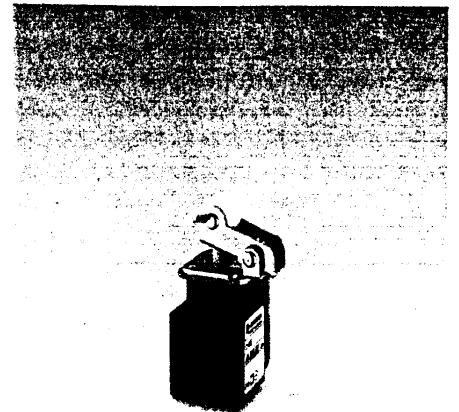
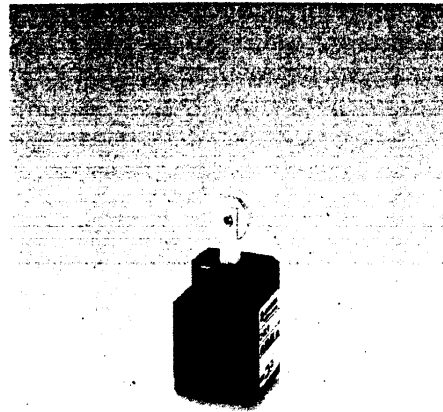
C2-U1Z 600.8101.001	C2-SU1Z 600.8351.002	C2-A2Z 600.8801.003	C2-U1Z St 600.8104.025	C2-SU1Z St 600.8354.026	C2-A2Z St 600.8804.027	C2-U1Z K 600.8107.019	C2-SU1Z K 600.8357.020	C2-A2Z K 600.8807.021
⊕ Zb ●/- -/-	⊕ Zb -/● -/-	⊕ Zb ●/- -/-	⊕ Zb ●/- -/-	⊕ Zb -/● -/-	⊕ Zb ●/- -/-	⊕ Zb ●/- -/-	⊕ Zb -/● -/-	⊕ Zb ●/- -/-



250 V AC 10 A ●	250 V AC 10 A ●	250 V AC 10 A ●	250 V AC 10 A ●	250 V AC 10 A ●	250 V AC 10 A ●	250 V AC 10 A ●	250 V AC 10 A ●	250 V AC 10 A ●
100/min. 3 x 10 <sup>6</sup> -30 °C/+80 °C -22 °F/+176 °F	100/min. 3 x 10 <sup>6</sup> -30 °C/+80 °C -22 °F/+176 °F	100/min. 3 x 10 <sup>6</sup> -30 °C/+80 °C -22 °F/+176 °F	100/min. 3 x 10 <sup>6</sup> -30 °C/+80 °C -22 °F/+176 °F	100/min. 3 x 10 <sup>6</sup> -30 °C/+80 °C -22 °F/+176 °F	100/min. 3 x 10 <sup>6</sup> -30 °C/+80 °C -22 °F/+176 °F	100/min. 3 x 10 <sup>6</sup> -30 °C/+80 °C -22 °F/+176 °F	100/min. 3 x 10 <sup>6</sup> -30 °C/+80 °C -22 °F/+176 °F	100/min. 3 x 10 <sup>6</sup> -30 °C/+80 °C -22 °F/+176 °F

UL, CSA BG 0.02 kg ●/-	UL, CSA BG 0.02 kg ●/-	UL, CSA BG 0.02 kg ●/-	UL, CSA BG 0.02 kg ●/-	UL, CSA BG 0.02 kg ●/-	UL, CSA BG 0.02 kg ●/-	UL, CSA BG 0.02 kg ●/-	UL, CSA BG 0.02 kg ●/-	UL, CSA BG 0.02 kg ●/-
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Designation

**Switch part number**

**Actuator part number**

Switching diagram

⊕ positive break according to IEC 947-5-1 Chap. 3

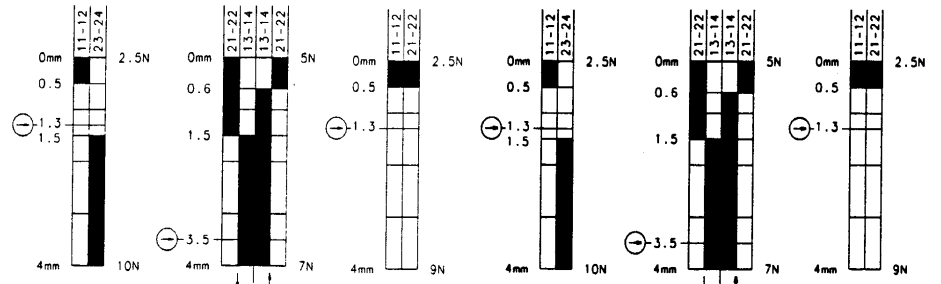
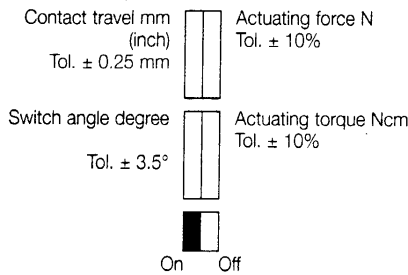
Za: changeover contact is not galvanically isolated

Zb: changeover contact is galvanically isolated

Slow-action contact/snap-action contact

Gasket inside (iw)/outside (w)

C2-U1Z R	C2-SU1Z R	C2-A2Z R	C2-U1Z o.M.+H	C2-SU1Z o.M.+H	C2-A2Z o.M.+H
<b>600.8116.013</b>	<b>600.8366.014</b>	<b>600.8816.015</b>	<b>600.8101.007</b>	<b>600.8351.008</b>	<b>600.8801.009</b>
-	-	-	<b>391.0190.259</b>	<b>391.0190.259</b>	<b>391.0190.259</b>
⊕ Zb	⊕ Zb	⊕ Zb	Zb	Zb	Zb
●/-	-/●	●/-	●/-	-/●	●/-
-/-	-/-	-/-	-/-	-/-	-/-



Voltage max. 250 V AC  
 Continuous current max. 10 A  
 Making current, acc. to IEC 947-5-1 AC 15/DC 13 ●

250 V AC 10 A ●  
 250 V AC 10 A ●  
 250 V AC 10 A ●  
 250 V AC 10 A ●  
 250 V AC 10 A ●  
 250 V AC 10 A ●

Switching frequency max. 100/min.  
 Mech. operational life – number of switching cycles 3 x 10<sup>6</sup>  
 Ambient temperature min./max. -30 °C/+80 °C

100/min. 3 x 10<sup>6</sup> -30 °C/+80 °C  
 100/min. 3 x 10<sup>6</sup> -30 °C/+80 °C  
 100/min. 3 x 10<sup>6</sup> -30 °C/+80 °C  
 100/min. 3 x 10<sup>6</sup> -30 °C/+80 °C  
 100/min. 3 x 10<sup>6</sup> -30 °C/+80 °C  
 100/min. 3 x 10<sup>6</sup> -30 °C/+80 °C  
 -22 °F/+176 °F -22 °F/+176 °F -22 °F/+176 °F -22 °F/+176 °F -22 °F/+176 °F -22 °F/+176 °F

Approvals (applied for) UL, CSA, BG  
 Weight 0.02 kg  
 Type of storage/time of delivery as agreed ●/-

UL, CSA UL, CSA UL, CSA UL, CSA UL, CSA UL, CSA  
 BG BG BG BG BG BG  
 0.02 kg 0.02 kg 0.02 kg 0.03 kg 0.03 kg 0.03 kg  
 ●/- ●/- ●/- ●/- ●/- ●/-

