

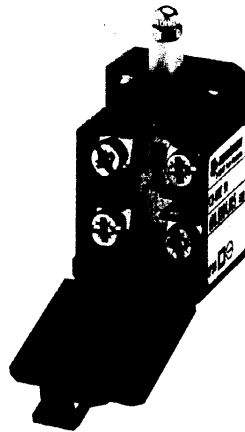
Plastic bodied compact limit switches

Combi C2

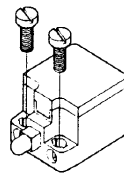
For confined spaces
 With two mounting options
 Protection class IP 30
 With snap-shut, hinged lid



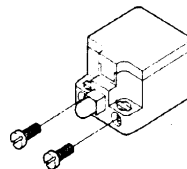
- Compact switches for safety or control applications
- 3 different contact configurations available as slow-action and snap-action
- All normally-closed contacts are positive break ⊕
- Two channel safety control possible
- Galvanically isolated terminals, type Zb
- Approvals UL, CSA, BG (applied for)
- Rectangular cable inlets (8.5 x 3.5 mm) for 4 x 1-mm² 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

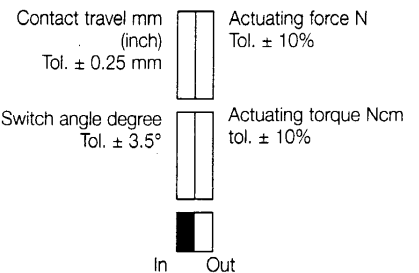
⊕ positive break according to IEC 947-5-1 Chap. 3

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.

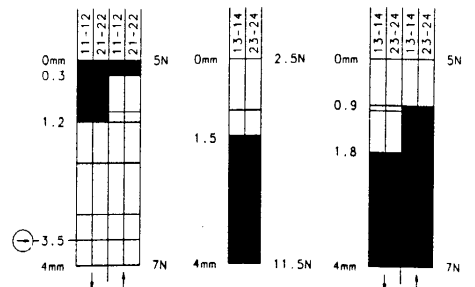
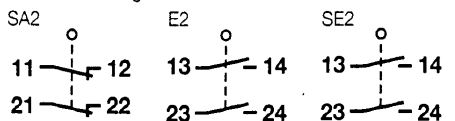
Approvals

(applied for)

Weight

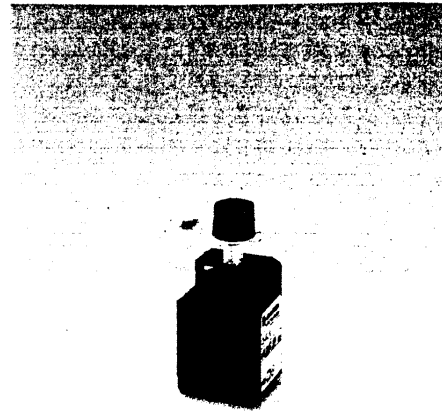
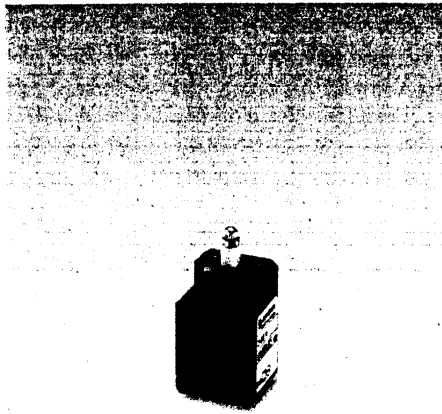
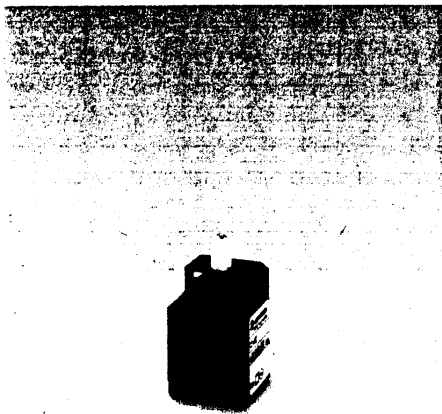
Type of storage/time of delivery as agreed

Further switching functions

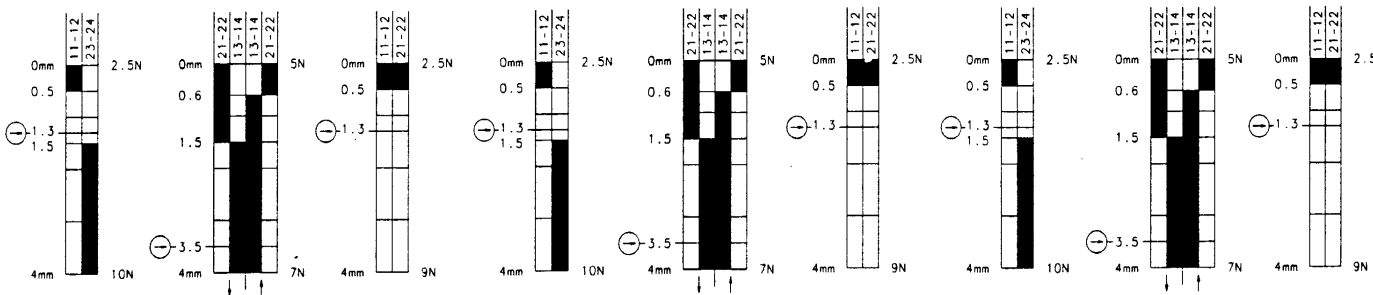


Dimensions

All dimensions in mm (inch)

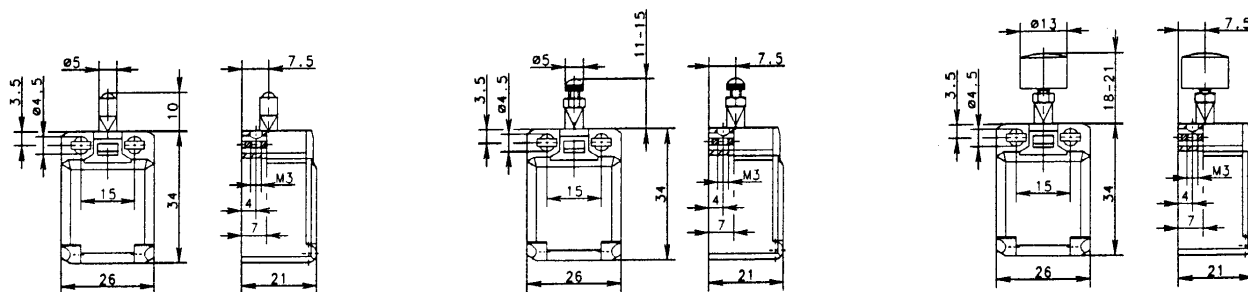


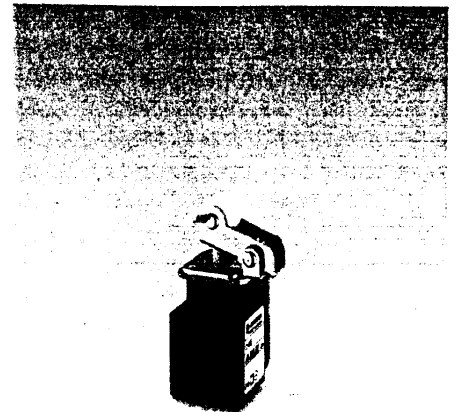
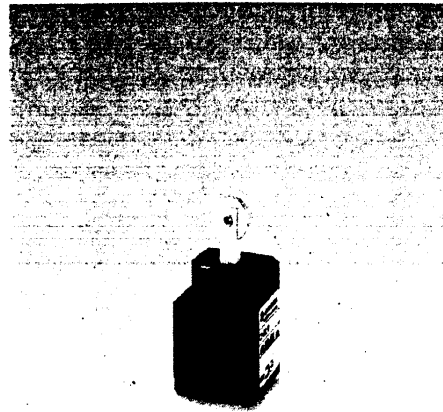
| | | | | | | | | |
|------------------------|-------------------------|------------------------|---------------------------|----------------------------|---------------------------|--------------------------|---------------------------|--------------------------|
| C2-U1Z 600.8101.001 | C2-SU1Z 600.8351.002 | 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 ⁶ -30 °C/+80 °C -22 °F/+176 °F | 100/min. 3 x 10 ⁶ -30 °C/+80 °C -22 °F/+176 °F | 100/min. 3 x 10 ⁶ -30 °C/+80 °C -22 °F/+176 °F | 100/min. 3 x 10 ⁶ -30 °C/+80 °C -22 °F/+176 °F | 100/min. 3 x 10 ⁶ -30 °C/+80 °C -22 °F/+176 °F | 100/min. 3 x 10 ⁶ -30 °C/+80 °C -22 °F/+176 °F | 100/min. 3 x 10 ⁶ -30 °C/+80 °C -22 °F/+176 °F | 100/min. 3 x 10 ⁶ -30 °C/+80 °C -22 °F/+176 °F | 100/min. 3 x 10 ⁶ -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 ●/- |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|





Designation

Switch part number

Actuator part number

Switching diagram

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

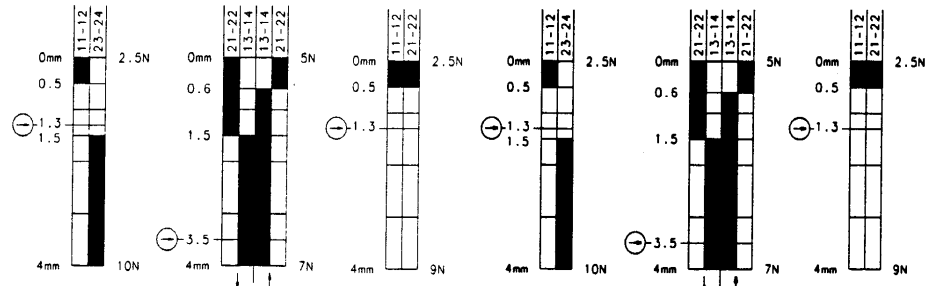
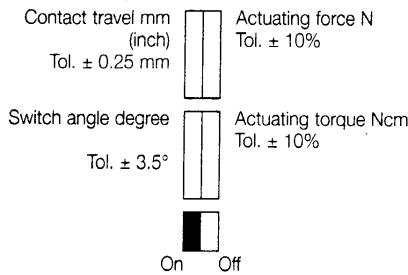
Za: changeover contact is not galvanically isolated

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 |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 600.8116.013 | 600.8366.014 | 600.8816.015 | 600.8101.007 | 600.8351.008 | 600.8801.009 |
| - | - | - | 391.0190.259 | 391.0190.259 | 391.0190.259 |
| | | | | | |
| ⊕ 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 | 250 V AC | 250 V AC | 250 V AC | 250 V AC | 250 V AC |
| 10 A | 10 A | 10 A | 10 A | 10 A | 10 A |
| ● | ● | ● | ● | ● | ● |

Switching frequency max. 100/min.
 Mech. operational life – number of switching cycles 3 x 10⁶
 Ambient temperature min./max. -30 °C/+80 °C

| | | | | | |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 100/min. | 100/min. | 100/min. | 100/min. | 100/min. | 100/min. |
| 3 x 10 ⁶ | 3 x 10 ⁶ | 3 x 10 ⁶ | 3 x 10 ⁶ | 3 x 10 ⁶ | 3 x 10 ⁶ |
| -30 °C/+80 °C | -30 °C/+80 °C | -30 °C/+80 °C | -30 °C/+80 °C | -30 °C/+80 °C | -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 |

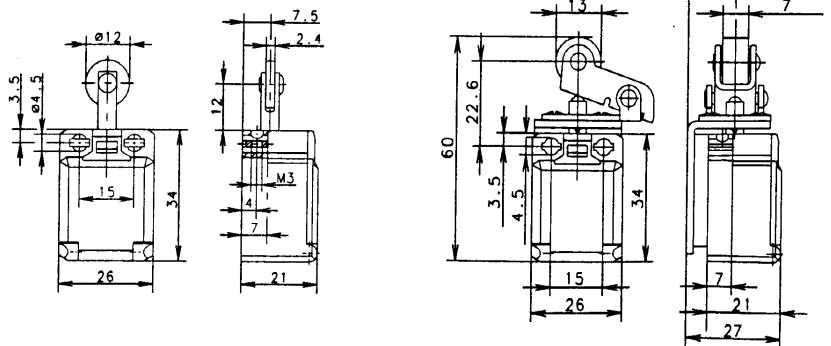
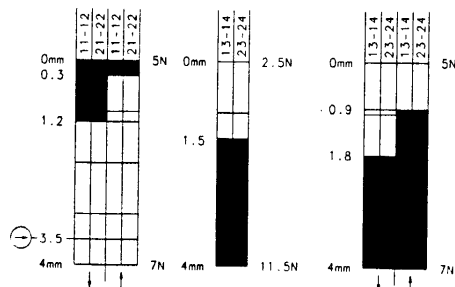
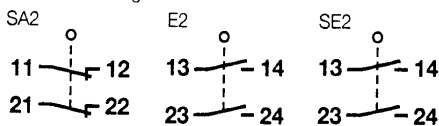
Approvals (applied for)

Weight

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 |
| ●/- | ●/- | ●/- | ●/- | ●/- | ●/- |

Further switching functions



Dimensions

All dimensions in mm (inch)

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