Global Specifications:

| Utilization Category: | AC-15; A600; 3 A at $240 \mathrm{~V} ; 1,9 \mathrm{~A}$ at 380 V DC-13; P600; 0,55 A at 250 V |
| :---: | :---: |
| Rated thermal current: | 10 A |
| Rated insulation voltage: | 650 V |
| Minimum load: | $3 \mathrm{~V}, 5 \mathrm{~mA}$ |
| Contact resistance: | 50 mOhm max. |
| Insulation resistance: | $>100 \mathrm{M}$ at 500 V DC |
| Dielectric strength: | $2500 \mathrm{~V}, 50 \mathrm{~Hz}$ for the duration of 1 minute |
| Operating temperature: | illuminated components: $-25^{\circ} \mathrm{C}$ to $+55^{\circ} \mathrm{C}$ others: $-25^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$ |
| Storage temperature: | $-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |
| Operation/storage humidity: | 45 to 85 \% RH |
| Ingress Protection: | IP65 from front |
| Contamination class: | 3 |
| Vibration resistance: | $10-55 \mathrm{~Hz}, 0.5 \mathrm{~mm}$ |
| Shock resistance: | 10 G (Malfunction), 100 G (Destruction) |
| Mechanical life: | Emergeny switch: 300k cycles |
|  | Pushbutton (momentary): 5M cycles |
|  | Pushbutton (latching): 500k cycles |
|  | Pushbutton (E3 special type): 1M cycles |
|  | Selector and Keyselector: 500k cycles |
| Electrical life: | Emergeny switch: 100k cycles others: 500 k cycles |
| Operation force (for ref. only): | Emergency switch: 30 N |
|  | Momentary: 35 N |
|  | Latching: 25 N |
|  | E3 special type: 25 N |
|  | Selector and Keyselector: 0.2 to 0.6 Nm |
| Contact Design: | positive break for NO contacts |
| Nominal diameters: | 22, 25, 30 mm |
| Number of contact blocks per unit: | 5 max. |
| Referenced safety standards: | UL508, CSA 22.2 No. 4, EN60947-5-1, EN60947-5-5 |

Ordering code for


101 NO
011 NC
$111 \mathrm{NO}, 1 \mathrm{NC}$
202 NO
$212 \mathrm{NO}, 1 \mathrm{NC}$ etc.
$414 \mathrm{NO}, 1 \mathrm{NC}$
14 1 NO. 4 NC

## Pushbuttons for Industrial Controls

Type:
ICE 22RP3K-2100

ICE 22RP2R-0210


ICE 22RE3G-1020-LA2G


Ordering code


## Accessories for Industrial Control Switches

| ICE TS-A | contact block $1 \mathrm{a}(\mathrm{NO})$, green |
| :--- | :--- |
| ICE TS-B | contact block $1 \mathrm{~b}(\mathrm{NC})$, red |
| ICE TS-W | latch module (needed for latching pusbuttons), grey |

ICE TS-L
LED-socket, yellow
ICE TS-WL
latch module w/ LED socket, grey (needed for illuminated latching pushbuttons)
ICE AC-00-M3
holder for 3 contact blocks
ICE AC-00-M5
holder for 5 contact blocks (without picture)


Further available (examples, others on request) are:

| ICE AC00-T1 | socket wrench |
| :--- | :--- |
| ICE AC00-K1 | spare keys $(2 \mathrm{pcs}$.$) for key selector$ |
| ICE AC00-R22 | O-Ring, 22 mm |
| ICE L24B | LED-lamp, 24 V , blue |

