



(\*) 27.5 for 3 contact blocks; 45.8 for 5 contact blocks  
 (\*\*) 18.2 for 3 contact blocks; 36.4 for 5 contact blocks

Compliance: RohS II (2011/65/EU)

|               |               |       |      |
|---------------|---------------|-------|------|
| Tolerances:   | 0-1: ±0.1mm   | Date  | Name |
|               | 1-4: ±0.3mm   | 03/18 | dr   |
|               | 4-16: ±0.5mm  |       |      |
|               | 16-63: ±0.8mm |       |      |
| Modifications | Date          | Name  |      |

**ICE 22 RE3xM1-xx00**  
 Pushbutton, Momentary, Flat Mushroom

**knitter-switch**

**30 40 27**

**Specifications:**

Utilization category: AC-15; A600; 3 A at 240 V; 1.9 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 V, 5 mA

Contact resistance: 50 mOhm max.

Insulation resistance: >100 MOhm at 500 V DC

Dielectric strength: 2500 V , 50 Hz for the duration of 1 minute

Operating temperature: illuminated components: -25°C to +55°C  
 other: -25°C to +70°C

Storage temperature: -40°C to +85°C

Operation / storage humidity: 45 to 85 % RH

Ingress protection: IP65 from front

Contamination class: 3

Vibration resistance: 10 - 55 Hz, 0.5 mm

Shock resistance: 10 G (Malfunction), 100 G (Destruction)

Mechanical life: 1M cycles

Electrical life: 500k cycles

Operation force (for ref. only): 25 N

Contact design: positive break for NO contacts

Number of contact blocks per unit: 5 max.

Referenced safety standards: UL508, CSA 22.2 No. 4, EN60947-5-1, EN60947-5-5

| x | Button color |
|---|--------------|
| R | red          |
| Y | yellow       |
| B | blue         |
| G | green        |
| K | black        |

| xx    | Contacts   |
|-------|------------|
| 10    | 1 NO       |
| 01    | 1 NC       |
| 11    | 1 NC, 1 NO |
| 20    | 2 NO       |
| 21    | 2 NO, 1 NC |
| etc.  | etc.       |
| until | until      |
| 41    | 4 NO, 1 NC |
| 14    | 1 NO, 4 NC |

NOTE:  
 FOR MOMENTARY SWITCHES, THE TOTAL OF NO AND NC IS LIMITED TO 5 MAX.  
 FOR LATCHING SWITCHES, THE TOTAL OF NO AND NC IS LIMITED TO 4 MAX.

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|   |       |      |                                      |
|---|-------|------|--------------------------------------|
| Tolerances: 0-1: ±0.1mm<br>1-4: ±0.3mm<br>4-16: ±0.5mm<br>16-63: ±0.8mm | Date  | Name | <b>ICE 22 RE3xM1-xx00</b>            |
|   | 03/18 | dr   |                                      |
|   |       |      | Pushbutton, Momentary, Flat Mushroom |
|   |       |      | <b>knitter-switch</b>                |
|   |       |      |                                      |
|   |       |      | <b>30 40 27</b>                      |
|   |       |      |                                      |
| Modifications   | Date  | Name | Page                                 |
|   |       |      | 2/2                                  |