■ Mounting

Non illuminated

Head with 1 contact
block on 1 position clip

Head with 1 or 2 contact
blocks on a 3 position clip

Head with 3 contact blocks
on a 3 position clip

Head with 4 or 5 contact
blocks on a 5 position clip

Head with 4, 5 or 6 contact
blocks 2nd level of contact blocks
stacked directly on first row
(3 position clip)

Illuminated
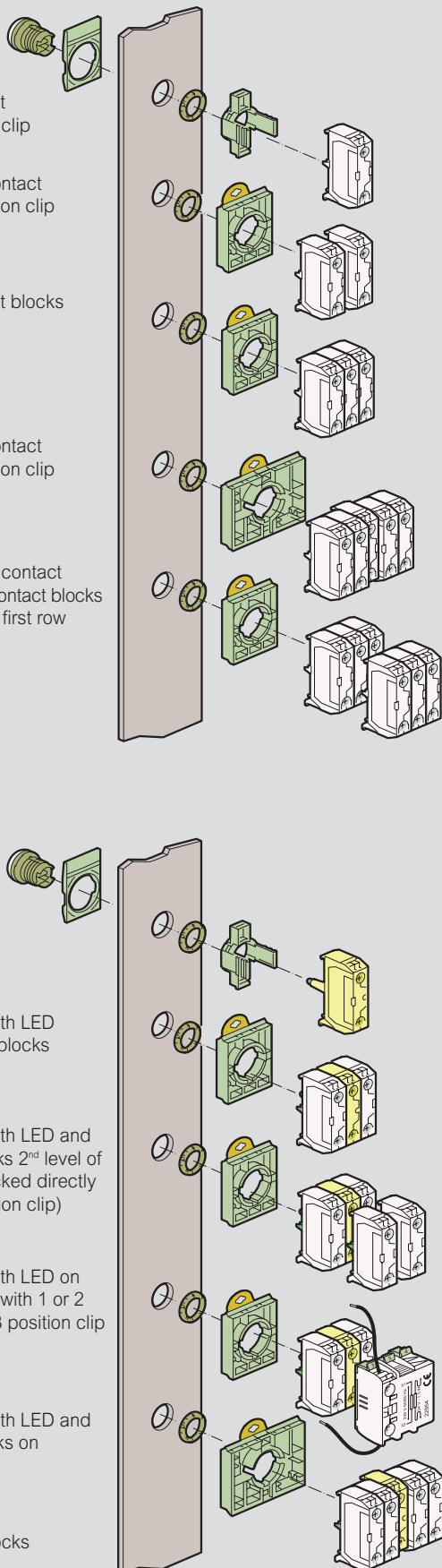
Pilot light on 1
position clip

Illuminated head with LED
and 1 or 2 contact blocks
on 3-position clip

Illuminated head with LED and
3 or 4 contact blocks 2nd level of
contact blocks stacked directly
on first row (3 position clip)

Illuminated head with LED on
transformer supply with 1 or 2
contact blocks on 3 position clip

Illuminated head with LED and
3 or 4 contact blocks on
5 position clip

▢ Illuminated blocks

■ Technical characteristics

- Climatic resistance:
  - conform to IEC 60068-2-3 (constant humid heat)
  - conform to IEC 60068-2-30 (cyclical damp heat)
- Degree of protection conform to IEC 60529
  - IP 66 or IP 69, IP 69K for standard heads
  - IP 67 for shrouded heads
  - IP 66 for equipped control stations
  - IP 20 at the rear of the panel for contact blocks
    and one piece pilot lights
  - Nema 4x, 12 and 13 for heads and control stations
- Protection against mechanical shocks conform to IEC 50102:
IK 05 illuminated and non illuminated heads
IK 07 empty control station
- Protection against electrical shocks:
Class II according to IEC 60947-5-1
- Tightening torque: head nut: recommended 3 N.m
                     terminals: max. 1.2 N.m
cULus and Bureau Veritas approvals

Contact blocks (for non illuminated heads)
• Rated insulation voltage:
Degree of pollution 3
690 V according to IEC/EN60947 for flush block with screw terminals
or spring terminals
600 V AC according to UL 508

• NC contacts:
Positive opening conform to IEC/EN 60947-5-1

• Rated impulse withstand voltage Uimp: 6kV contact blocks

• Convention therminal conform to IEC 60947-5-1current in free air
conditions:
AC: 10 A
DC: 2.5 A

• Electrical performance:
- AC according to   - DC according to
IEC 60947-5-1   IEC 60947-5-1
AC15 - A 600   DC13 - Q 600
U_e = 120 V, I_e = 6 A U_e = 125 V, I_e = 0.55 A
U_e = 240 V, I_e = 3 A U_e = 250 V, I_e = 0.27 A
U_e = 380 V, I_e = 1.9 A U_e = 400 V, I_e = 0.15 A
U_e = 480 V, I_e = 1.5 A U_e = 500 V, I_e = 0.13 A
U_e = 500 V, I_e = 1.4 A U_e = 500 V, I_e = 0.1 A
U_e = 500 V, I_e = 1.2 A
- Electrical durability
1 million cycles for:
        - AC15 - B 300
U_e = 120 V, I_e = 3 A
U_e = 240 V, I_e = 1.5 A
        - DC13 - R 300
U_e = 125 V, I_e = 0.22 A
U_e = 250 V, I_e = 0.1 A

• Connection capacity (rigid or flexible wire)
without ferrule: 2 x 0.5 mm^2 to 2 x 2.5 mm^2
with ferrule: 2 x 0.5 mm^2 to 2 x 1.5 mm^2

LED blocks and LED pilot lights (for illuminated heads)
• Rated insulation voltage:
Degree of pollution 3
300 V according to IEC/EN60947-5-1

• Rated insulation withstand voltage Uimp:
4kV conform to IEC/EN 60947-1

• Operating voltage:
12 to 24 V AC/DC
130 V AC   } ± 10 %
230 V AC

• Frequency: 50 or 60 Hz

• Lifetime at rated supply voltage:
Red and yellow: 100,000 hours at 25°C
Other colours: 50,000 hours at 25°C

• Consumption of LED blocks:
Voltage:
        - 24 V: 25 mA ± 20%
        - 48 V: 15 mA ± 10%
        - 130 V: 20 mA ± 10%
        - 230 V: 16 mA ± 30%

℮ Dimensions
see e-catalogue