

# XB5AVM4

red complete pilot light Ø22 plain lens with  
integral LED 230...240V



## Main

Range of product	Harmony XB5
Product or component type	Complete pilot light
Device short name	XB5
Bezel material	Plastic
Fixing collar material	Plastic
Head type	Standard
Mounting diameter	22 mm
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Cap/Operator or lens colour	Red
Operator additional information	With plain lens
Light source	Protected LED
Bulb base	Integral LED
Light source colour	Red
[Us] rated supply voltage	230...240 V AC, 50/60 Hz
[Us] rated supply voltage	230...240 V AC, 50/60 Hz
Device presentation	Complete product

## Complementary

Height	42 mm
Width	30 mm
Depth	54 mm
Terminals description ISO n°1	(X1-X2)PL
Product weight	0.038 kg
Resistance to high pressure washer	7000000 Pa at 55 °C, distance: 0.1 m
Connections - terminals	Screw clamp terminals 1 x 0.22...2 x 2.5 mm <sup>2</sup> without cable end EN/IEC 60947-1 Screw clamp terminals ≤ 2 x 1.5 mm <sup>2</sup> with cable end EN/IEC 60947-1

[Ui] rated insulation voltage	250 V (degree of pollution: 3) conforming to EN 60947-1
[Uimp] rated impulse withstand voltage	4 kV conforming to EN 60947-1
Signalling type	Steady
Supply voltage limits	195...264 V AC
Current consumption	14 mA
Service life	100000 h at rated voltage and 25 °C
Surge withstand	1 kV conforming to IEC 61000-4-5

## Environment

Protective treatment	TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-40...70 °C
Overvoltage category	Class II conforming to IEC 60536
IP degree of protection	IP69 IP67 IP66 conforming to IEC 60529 IP69K
NEMA degree of protection	NEMA 13 NEMA 4X
IK degree of protection	IK05 conforming to IEC 50102
Standards	EN/IEC 60947-5-4 UL 508 EN/IEC 60947-1 EN/IEC 60947-5-1 CSA C22.2 No 14 JIS C 4520
Product certifications	UL listed CSA
Vibration resistance	5 gn (f = 12...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 30 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27
Resistance to fast transients	2 kV conforming to IEC 61000-4-4
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3
Electromagnetic compatibility	Electrostatic discharge 8 kV in free air (in insulating parts) IEC 61000-4-2 Electrostatic discharge 6 kV on contact (on metal parts) IEC 61000-4-2 Electromagnetic emission class B IEC 55011
Resistance to electrostatic discharge	6 kV on contact (on metal parts) conforming to IEC 61000-4-2 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2
Electromagnetic emission	Class B conforming to IEC 55011

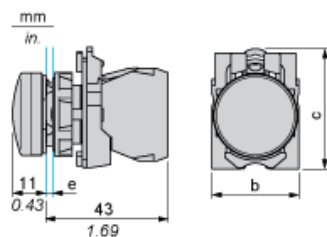
## Contractual warranty

Warranty period	18 months
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Dimensions

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- e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.  
b: 30 mm / 1.18 in.  
c: 41.5 mm / 1.63 in.

## Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

### Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )