



## Main

Range of product	Harmony XB7
Product or component type	Push-button
Device short name	XB7
Mounting diameter	22 mm
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP54 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	Push and push-to-release
Operator profile	Black flush unmarked
Connections - terminals	Screw clamp terminals : $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN/IEC 60947-1 Screw clamp terminals : $1 \times 0.34 \dots 2 \times 2.5 \text{ mm}^2$ without cable end conforming to EN/IEC 60947-1
Device presentation	Monolithic product

## Complementary

CAD overall width	29 mm
CAD overall height	29 mm
CAD overall depth	52 mm
Terminals description ISO n°1	(13-14-11-12)OF
Product weight	0.02 kg
Device mounting	Fixing hole: $\varnothing 22.5 \text{ mm}$ ( $22.3 +0.4/0$ ) conforming to EN/IEC 60947-1
Fixing center	$\geq 30 \times 40 \text{ mm}$ on support panel, metal, thickness: 1...6 mm $\geq 30 \times 40 \text{ mm}$ on support panel, plastic, thickness: 2...6 mm
Fixing mode	Fixing nut beneath head recommended torque: 2...2.4 N.m
Contact operation	Slow-break
Positive opening	Without positive opening
Mechanical durability	1000000 cycles
Tightening torque	0.8...1.2 N.m conforming to EN 60947-1
Short-circuit protection	4 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
[Ui] rated insulation voltage	250 V (degree of pollution: 3) conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
[Ie] rated operational current	0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.3 A at 240 V, AC-14, D300 conforming to EN/IEC 60947-5-1 0.6 A at 120 V, AC-14, D300 conforming to EN/IEC 60947-5-1
Electrical durability	1000000 cycles, DC-13, 0.1 A at 250 V 1000000 cycles, DC-13, 0.22 A at 125 V 1000000 cycles, AC-14, 0.3 A at 240 V 1000000 cycles, AC-14, 0.6 A at 120 V
Electrical reliability	$\Lambda \leq 10\text{exp}(-6)$ at 17 V, 5 mA

## Environment

protective treatment	TH
ambient air temperature for storage	-40...70 °C
ambient air temperature for operation	-25...70 °C
overvoltage category	Class II conforming to IEC 60536
NEMA degree of protection	NEMA 12
standards	EN/IEC 60947-1 EN/IEC 60947-5-1 JIS C 4520

UL 508  
CSA C22.2 No 14

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vibration resistance	5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6
shock resistance	50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

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