



Main

Range of product	Harmony XB7
Product or component type	Illuminated monolithic pushbutton
Device short name	XB7
Mounting diameter	22 mm
Sale per indivisible quantity	10
IP degree of protection	IP54 (front face) conforming to IEC 60529 IP20 (rear face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	Spring return
Operator profile	Yellow unmarked
Contacts type and composition	1 NO
Connections - terminals	Screw clamp terminals: 1 x 0.34...2 x 2.5 mm ² without cable end conforming to EN/IEC 60947-1 Screw clamp terminals: ≤ 2 x 1.5 mm ² with cable end conforming to EN/IEC 60947-1
Light source	LED
Bulb base	Integral LED
[Us] rated supply voltage	24 V AC/DC

Complementary

CAD overall width	29 mm
CAD overall height	29 mm
CAD overall depth	57 mm
Terminals description ISO n°1	(13-14)NO
Product weight	0.022 kg
Device mounting	Fixing hole: Ø 22.5 mm (22.3 +0.4/0) conforming to EN/IEC 60947-1
Fixing center	≥ 30 x 40 mm on support panel, plastic, thickness: 2...6 mm ≥ 30 x 40 mm on support panel, metal, thickness: 1...6 mm
Fixing mode	Fixing nut beneath head recommended torque: 2.2 N.m (+/- 0.2 N.m)
Contacts operation	Slow-break
Positive opening	Without positive opening
Mechanical durability	300000 cycles
Tightening torque	0.8...1.2 N.m conforming to EN 60947-1
Shape of screw head	Slotted head compatible with flat Ø 5.5 mm screwdriver Slotted head compatible with flat Ø 4 mm screwdriver Cross head compatible with pozidriv No 1 screwdriver Cross head compatible with Philips no 1 screwdriver Cross head compatible with JIS No 1 screwdriver
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	4 kV conforming to EN/IEC 60947-1
[Ie] rated operational current	0.6 A at 120 V, AC-14, D300 conforming to EN/IEC 60947-5-1 0.3 A at 240 V, AC-14, D300 conforming to EN/IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1
Electrical reliability IEC 60947-5-4	$\Lambda \leq 10\exp(-6)$ at 17 V, 5 mA conforming to EN/IEC 60947-5-4
Signalling type	Steady

Supply voltage limits	21.6...26.4 V AC 19.2...30 V DC
Current consumption	20...27 mA
Service life	80000 h at rated voltage and 25 °C

Environment

Protective treatment	TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Class of protection against electric shock	Class II conforming to IEC 61140
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
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
Electromagnetic emission	Class B conforming to EN 55011