



XB7NA42

PB - Spring Rtn, red - 1NC



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Main

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Range of product	Harmony XB7
Product or component type	Monolithic pushbutton
Device short name	XB7
Mounting diameter	22 mm
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	Spring return
Operator profile	Red flush unmarked
Contacts type and composition	1 NC
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

Complementary

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CAD overall width	29 mm
CAD overall height	29 mm
CAD overall depth	51.5 mm
Terminals description ISO n°1	(11-12)NC
Product weight	0.021 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 N.m (+/- 0.2 N.m)
Contacts operation	Slow-break
Positive opening	With NC contact positive opening conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	1000000 cycles
Tightening torque	0.8...1.2 N.m conforming to EN 60947-1
Shape of screw head	Cross head compatible with JIS No 1 screwdriver Cross head compatible with Philips no 1 screwdriver Cross head compatible with pozidriv No 1 screwdriver Slotted head compatible with flat $\varnothing 4 \text{ mm}$ screwdriver Slotted head compatible with flat $\varnothing 5.5 \text{ mm}$ 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	0.1 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 reliability IEC 60947-5-4	$\Lambda \leq 10\exp(-6)$ at 17 V, 5 mA conforming to EN/IEC 60947-5-4

Environment Hide

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 conforming to UL 50 E NEMA 3 conforming to UL 50 E
Standards	EN/IEC 60947-1 EN/IEC 60947-5-1 JIS C 4520 UL 508 CSA C22.2 No 14
Product certifications	CCC GOST
Vibration resistance	5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Offer Sustainability Hide

Sustainable offer status	Not Green Premium product
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Contractual warranty Hide

Period	18 months
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