

## XB5AA25

black flush complete pushbutton Ø22 spring return  
1NO+1NC unmarked



### Main

Range of product	Harmony XB5
Product or component type	Complete push-button
Device short name	XB5
Bezel material	Dark grey plastic
Head type	Standard
Fixing collar material	Plastic
Mounting diameter	22 mm
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Spring return
Operator profile	Black flush unmarked
Contacts type and composition	1 NO + 1 NC
Contact operation	Slow-break
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 : $1 \times 0.22 \dots 2 \times 2.5 \text{ mm}^2$ without cable end conforming to EN/IEC 60947-1

### Complementary

Height	42 mm
Width	30 mm
Depth	52 mm
Terminals description ISO n°1	(13-14)NO (21-22)NC
Resistance to high pressure washer	7000000 Pa at 55 °C, distance: 0.1 m
Contacts usage	Standard contacts
Positive opening	With positive opening conforming to EN/IEC 60947-5-1 appendix K
Operating travel	1.5 mm (NC changing electrical state) 2.6 mm (NO changing electrical state) 4.3 mm (total travel)
Operating force	3.5 N (NC changing electrical state) 3.8 N (NO changing electrical state)
Mechanical durability	10000000 cycles
Tightening torque	0.8...1.2 N.m conforming to EN 60947-1
Shape of screw head	Cross head compatible with Philips no 1 screwdriver Cross head compatible with pozidriv No 1 screwdriver Slotted head compatible with flat Ø 4 mm screwdriver Slotted head compatible with flat Ø 5.5 mm screwdriver
Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
[I <sub>th</sub> ] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1
[U <sub>i</sub> ] rated insulation voltage	600 V (degree of pollution: 3) conforming to EN/IEC 60947-1
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
[I <sub>e</sub> ] rated operational current	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1
Electrical durability	1000000 cycles, AC-15, 2 A at 230 V, operating rate: $\leq 3600 \text{ cyc/h}$ , load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A at 120 V, operating rate: $\leq 3600 \text{ cyc/h}$ , load factor: 0.5

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conforming to EN/IEC 60947-5-1 appendix C  
 1000000 cycles, AC-15, 4 A at 24 V, operating rate: <= 3600 cyc/h, load factor: 0.5  
 conforming to EN/IEC 60947-5-1 appendix C  
 1000000 cycles, DC-13, 0.2 A at 110 V, operating rate: <= 3600 cyc/h, load factor: 0.5  
 conforming to EN/IEC 60947-5-1 appendix C  
 1000000 cycles, DC-13, 0.5 A at 24 V, operating rate: <= 3600 cyc/h, load factor: 0.5  
 conforming to EN/IEC 60947-5-1 appendix C

Electrical reliability	$\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4
Customizable	Yes
GCR BRIDGE	XB5AACUST04

## Environment

protective treatment	TH
ambient air temperature for storage	-40...70 °C
ambient air temperature for operation	-40...70 °C
overvoltage category	Class II IEC 60536 conforming to IEC 60536 conforming to IEC 60536 IEC 60536 IEC 60536 IEC 60536 conforming to IEC 60536, conforming to IEC 60536 conforming to IEC 60536 IEC 60536 conforming to IEC 60536 conforming to IEC 60536
IP degree of protection	IP67 IP66 conforming to IEC 60529 IP69K IP69
NEMA degree of protection	NEMA 13 NEMA 4X
IK degree of protection	IK03 conforming to IEC 50102
standards	EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 JIS C 4520 UL 508 CSA C22.2 No 14
product certifications	BV CSA DNV GL LROS (Lloyds register of shipping) RINA UL listed
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

## Contractual warranty

Warranty period	18 months 18 months
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