



Main

Range of product	Harmony XB5 Harmony XB4
Product or component type	Contact block
Device short name	ZBE
Sale per indivisible quantity	5
IP degree of protection	IP20 IEC 60529
Contacts type and composition	1 NC
Contact operation	Slow-break
Contact block type	Single
Contacts usage	Low power switching contacts
Connections - terminals	Screw terminals for lug

Complementary

Positive opening	With EN/IEC 60947-5-1 appendix K
Operating travel	1.5 mm NC changing electrical state 4.3 mm total travel
Operating force	2 N NC changing electrical state
Mechanical durability	10000000 cycles
Contacts material	Gold flashed (Ag/Ni/Au) contacts
Electrical reliability	$\Lambda < 5 \times 10\text{exp}(-8)$ 1 mA in clean environment EN/IEC 60947-5-4
Mounting of block	Front mounting
Condition of use	Mounting on push-button collar
Electrical composition code	C1 <= 9 C2 <= 7 C3 <= 6 C4 <= 4 C5 <= 5 C6 <= 3 C7 <= 4 C8 <= 2 C9 <= 3 C12 <= 6 M1 <= 6 M2 <= 4 M3 <= 4 M5 <= 2

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

M6 <= 2
M7 <= 6
M8 <= 4
M9 <= 2
SF1 <= 3
SF2 <= 2
MF1 <= 2
MF2 <= 2
C10 <= 2
M4 <= 2
C13 <= 1

Compatibility code	ZBE
--------------------	-----

Environment

Protective treatment	TH
----------------------	----

Ambient air temperature for storage	-40...70 °C
-------------------------------------	-------------

Ambient air temperature for operation	-40...70 °C
---------------------------------------	-------------

Standards	UL 508 JIS C 4520 EN/IEC 60947-5-4 CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60947-1
-----------	---

Product certifications	GL UL RINA BV CSA DNV LROS (Lloyds register of shipping)
------------------------	--

Vibration resistance	5 gn 2...500 Hz IEC 60068-2-6
----------------------	-------------------------------

Shock resistance	30 gn 18 ms half sine wave acceleration IEC 60068-2-27 50 gn 11 ms half sine wave acceleration IEC 60068-2-27
------------------	--

Contractual warranty

Warranty period	18 months
-----------------	-----------
