



## 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	Standard 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	Silver alloy (Ag/Ni)
Electrical reliability	$\Lambda < 10\text{exp}(-7)$ 1 mA in clean environment EN/IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ 5 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

ZBE1029

M5 <= 2  
M6 <= 2  
M7 <= 6  
M8 <= 4  
M9 <= 2  
SF1 <= 3  
SF2 <= 2  
MF1 <= 2  
MF2 <= 2  
C10 <= 2  
M4 <= 2  
C13 <= 1

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Compatibility code	ZBE
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## Environment

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Protective treatment	TH
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Ambient air temperature for storage	-40...70 °C
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Ambient air temperature for operation	-40...70 °C
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Standards	CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60947-5-4 JIS C 4520 UL 508 EN/IEC 60947-1
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Product certifications	LROS (Lloyds register of shipping) UL DNV BV RINA GL CSA
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Vibration resistance	5 gn 2...500 Hz IEC 60068-2-6
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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
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## Contractual warranty

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Warranty period	18 months
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