



ZB4BZ101

Table 19.86: Contact Blocks (Mounting Collar with Contact Blocks)

Description	Type of Contact		Catalog Number	\$ Price
	N.O.	N.C.		
Screw clamp terminal connections	1	—	ZB4BZ101	22.00
	—	1	ZB4BZ102	22.00
	2	—	ZB4BZ103	38.20
	—	2	ZB4BZ104	38.20
	1	1	ZB4BZ105	38.20
	1	2	ZB4BZ141	55.00

For Quick-Connect version add "3" to the end of the catalog number Example: ZB4BZ1013 (Quick-Connect size 1 x 0.250" or 2 x 0.110").

For Ring Tongue compatible blocks add "9" to the end of the catalog number (Example: ZB4BZ1029).

Electrical components with connection by printed circuit board pins are available. Refer to Catalog 9001CT0001.

Electrical components with connection by plug-in connector are available. Refer to Catalog 9001CT0001.

Table 19.87: Complete Bodies**(Mounting Collar + Single Contact Block + Light Module with Protected LED®)**

Light Source	Type of Contact ♦		Color	Supply Voltage ★		\$ Price
	N.O.	N.C.		24 Vac/Vdc	110~120 Vac	
				Catalog Number		
Screw clamp terminal connections						
Protected [®] LED	1	—	White	ZB4BW0B11	ZB4BW0G11	73.00
			Green	ZB4BW0B31	ZB4BW0G31	
			Red	ZB4BW0B41	ZB4BW0G41	
			Yellow	ZB4BW0B51	ZB4BW0G51	
			Blue	ZB4BW0B61	ZB4BW0G61	
	—	1	White	ZB4BW0B12	ZB4BW0G12	73.00
			Green	ZB4BW0B32	ZB4BW0G32	
			Red	ZB4BW0B42	ZB4BW0G42	
			Yellow	ZB4BW0B52	ZB4BW0G52	
			Blue	ZB4BW0B62	ZB4BW0G62	
	2	—	White	ZB4BW0B13	ZB4BW0G13	90.00
			Green	ZB4BW0B33	ZB4BW0G33	
			Red	ZB4BW0B43	ZB4BW0G43	
			Yellow	ZB4BW0B53	ZB4BW0G53	
			Blue	ZB4BW0B63	ZB4BW0G63	
	1	1	White	ZB4BW0B15	ZB4BW0G15	90.00
			Green	ZB4BW0B35	ZB4BW0G35	
			Red	ZB4BW0B45	ZB4BW0G45	
			Yellow	ZB4BW0B55	ZB4BW0G55	
			Blue	ZB4BW0B65	ZB4BW0G65	

♦ Can be fitted with additional contact blocks, see page 19-35.

★ For 240V LED, replace the "B" or "G" with "M". (Example: change "ZB4BW0B11 (24V)" to ZB4BW0M11 (240V))

Table 19.88: Mounting Collar, Contact Block and Light Module (with screw clamp terminal connections) ▼

Supply	Light Source	Supply Voltage	Type of Contact ▼		Color of Light Source	Catalog Number	\$ Price
			N.O.	N.C.			
Screw clamp terminal connections							
Direct supply	BA9s 2.4 W max. bulb Not included ▼	≤ 250 Vac/Vdc	1	—	—	ZB4BW061	55.00
			—	1	—	ZB4BW062	55.00
			2	—	—	ZB4BW063	71.00
			1	1	—	ZB4BW065	71.00
Transformer type 1.2 VA, 6 V secondary	BA9s incandescent bulb included	110–120 Vac 50/60 Hz	1	—	—	ZB4BW031	114.00
			1	1	—	ZB4BW035	130.00
		230–240 Vac 50/60 Hz	1	—	—	ZB4BW041	114.00
			1	1	—	ZB4BW045	130.00
		440–480 Vac 60 Hz	1	—	—	ZB4BW081	114.00
			1	1	—	ZB4BW085	130.00

▼ Order bulb separately, see page 19-40.

△ Can be fitted with additional contact blocks, see page 19-35.

ZB4BW0•5



Family	XB4	XB5	9001K	9001SK	9001KX
					
Type of Product	22 mm Push Button (metal)	22 mm Push Button (plastic)	30 mm Push Button (metal)	30 mm Push Button (plastic)	30 mm Push Button (metal, square)
Mounting Hole Diameter	22.5 mm	22.5 mm	31 mm (1.22 in)	31 mm (1.22 in)	31 mm (1.22 in)
Approvals	UL Listed File E164353, CCN NKCR UL Recognized File E164353, CCN NKCR2 CSA File LR44087, Class 3211-03	UL Listed File E164353, CCN NKCR UL Recognized File E164353, CCN NKCR2 CSA File LR44087, Class 3211-03	UL File E78403, CCN NKCR CSA File LR25490, Class 3211-03	UL File E78403, CCN NKCR CSA File LR25490, Class 3211-03	UL File E78403, CCN NKCR CSA File LR25490, Class 3211-03
Conforming to Standards	CE Marked EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-4, EN/IEC 60947-5-5 EN/IEC 60204-1 and EN/ISO 13850: 2006 (trigger action and mechanical latching emergency stop push buttons) EN/IEC 60364-5-53 (emergency switching of mechanical latching push buttons) — JIS C 4520 UL 508 CSA C22.2 No.14	CE Marked EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-4, EN/IEC 60947-5-5 EN/IEC 60204-1 and EN/ISO 13850: 2006 (trigger action and mechanical latching emergency stop push button). EN/IEC 60364-5-53 (emergency switching of mechanical latching push buttons) EN81-1 (emergency stop trigger action and mechanical latching push buttons with mechanical state indicator) JIS C 4520 UL 508 CSA C22.2 No.14	CE Marked EN/IEC 60947-1 EN/IEC60947-5-1 EN/IEC60947-5-4 JIS C 4520 and 852 UL 508 CSA C22.2 No.14	CE Marked EN/IEC 60947-1 EN/IEC60947-5-1 EN/IEC60947-5-4 JIS C 4520 and 852 UL 508 CSA C22.2 No.14	CE Marked
Degree of Protection	IP65 IP66 for booted NEMA 1, 2, 3, 4, 12, 13	IP65 IP66 for Booted NEMA 1, 2, 3, 4, 4X, 12, 13	IP66 NEMA 1, 2, 3, 3R, 4, 12, 13	IP66 NEMA 1, 2, 3, 3R, 4, 4X, 12, 13	IP66 NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Electric Shock Protection	Class I	Class I	Class II	Class II	Class II
Electrical Consumption					
LED	24 Vac/Vdc: 18 mA 120 Vac: 14 mA 240 Vac: 14 mA	24 Vac/Vdc: 18 mA 120 Vac: 14 mA 240 Vac: 14 mA			
Rated Operational Characteristics	AC-15; B600 Ue = 600 Vac and Ie = 1.2 A Ue = 240 Vac and Ie = 3 A Ue = 120 Vac and Ie = 6 A Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250 Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A	AC-15; B600 Ue = 600 Vac and Ie = 1.2 A Ue = 240 Vac and Ie = 3 A Ue = 120 Vac and Ie = 6 A Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A	AC-15; A600 Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250 Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A	AC-15; A600 Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250 Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A	AC-15; A600 Continuous 10 A DC-13; Q600 Ue = 600 Vdc and Ie = 0.1 A Ue = 250 Vdc and Ie = 0.27 A Ue = 125 Vdc and Ie = 0.55 A
Connection Type	Screw or Spring Terminal		Screw Terminal		
	Screw Terminal:	Spring Terminal:			
Cable Size	1 x 24 AWG (0.22 mm ²) min. 2 x 14 AWG (2.5 mm ²) max. 2 x 16 AWG (1.5 mm ²) max.	1 x 24 AWG (0.22 mm ²) min. 2 x 14 AWG (2.5 mm ²) max. 2 x 16 AWG (1.5 mm ²) max.	1 x 24 AWG (0.22 mm ²) min. 2 x 16 AWG (1.5 mm ²) max	1 x 24 AWG (0.22 mm ²) min. 2 x 16 AWG (1.5 mm ²) max	1 x 24 AWG (0.22 mm ²) min. 2 x 16 AWG (1.5 mm ²) max
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