



ZB4BD922



XB4BD912R1K



XD4PA12



ZB4BD28



XB4BA8•1

XB4 Specialty Operators

Table 19.83: Potentiometer Operator (with Mounting Collar)

Shape of Head	Description	Application	Catalog Number
	For potentiometer with shaft length 1.73 to 1.97 in. (45 to 50 mm) (potentiometer not included)	For shaft Ø 1/4 in. (6.35 mm)	ZB4BD922
		For shaft Ø 0.24 in. (6 mm)	ZB4BD912

Table 19.84: Complete Potentiometers

Description	Resistance (k Ω)	Weight (kg/lb)	Catalog Number
+/- 10% linear mode precision complete potentiometer with screw terminals	1	0.095/0.209	XB4BD912R1K
	4.7	0.095/0.209	XB4BD912R4K7
	10	0.095/0.209	XB4BD912R10K
	47	0.095/0.209	XB4BD912R47K
	100	0.095/0.209	XB4BD912R100K
	470	0.095/0.209	XB4BD912R470K

Table 19.85: Joysticks (54 mm, Extended Operating Shaft) [11]

Description	Contact Operation	Action	Catalog Number
2 direction 	1 step 1 N.O. contact per direction	Maintained	XD4PA12
		Momentary	XD4PA22
4 direction 	1 step 1 N.O. contact per direction	Maintained	XD4PA14
		Momentary	XD4PA24

Table 19.86: Legends for Joysticks

Description	For use with	Color	Catalog Number
Legends 30 x 48 mm for customer engraving	2 direction	Black one side Red reverse	ZBG2201
		White one side Yellow reverse	ZBG2401
Legends 48 x 48 mm for customer engraving	4 direction	Black one side Red reverse	ZBG4201
		White one side Yellow reverse	ZBG4401

Table 19.87: Two Position Toggle Switch

Shape of Head	Color	Type of Positions	Catalog Number
	Black	Maintained	ZB4BD28
	Black	Momentary	ZB4BD48

Table 19.88: Reset Operators, Flush, Adjustable Shaft

Shape of Head	Travel		Actuation Distance		Color	Catalog Number
	in.	mm	in.	mm		
	0.39	10	0.24–0.63	6–16	Black	XB4BA821
					Red	XB4BA841
					Blue	XB4BA861
			0.63–1.02	16–26	Black	XB4BA822
					Red	XB4BA842
					Blue	XB4BA862
	0.55	14	1.18–5.12	30–130	Black	XB4BA921
					Red	XB4BA941
					Blue	XB4BA961
			5.12–10.12	130–257	Black	XB4BA922
					Red	XB4BA942
					Blue	XB4BA962

For Legends, refer to XB4 Legend Holders, page 19-38, XB4 Legend Inserts, page 19-39, and XB4 Legend Sheets, page 19-39.

[11] Do not use standard contact blocks ZBE10• (single) or ZBE20• (double).