

9001B Standard Duty Control Stations

Table 19.339: Control Stations

No. of Buttons	Nameplate Markings and Features	Contact Symbol [6]	Surface Mounting NEMA1	Stainless Steel Flush Plate [7]	Watertight and Dusttight NEMA4	For Hazardous Locations NEMA 7 & 9 [8]
			Type [9]	Type [9]	Type [9]	Type [9]
1	Start	1	BG101	BF101	BW146	BR101
	Stop	3	BG102	BF102	BW147	—
	Stop (Mushroom Button)	3	BG103	—	BW151	BR103
	Stop (Lockout)	3	BG104	—	BW148	BR104
	Universal (w/o legend insert)	16	BG107	BF107	BW159	BR107
	Off-On (Selector Switch)	19	BG111	—	—	—
	Hand-Off-Auto (Selector Switch)	17	BG112	—	—	—
	Universal Selector Switch (w/o legend insert)	19 or 17	BG114	—	—	—
2	Start-Stop	145	BG201	BF201	BW240	BR204
	Start-Stop (for latching Applications)	146	BG202	—	BW252	BR202
	Start-Stop (Mushroom on Stop)	145	BG203	—	BW250	BR203
	Start-Stop (Lockout on Stop)	145	BG204	—	BW241	BR204
	Start-Stop (Mushroom on both)	145	BG205	—	BW246	BR205
	Forward-Reverse	146	BG206	—	BW242	—
	Open-Close	146	BG207	—	BW244	—
	Up-Down	146	BG208	BF208	BW243	BR208
	Raise-Lower	146	BG209	—	BW253	—
	On-Off	145	BG210	BF210	BW245	—
	On-Off	146	BG211	BF211	BW254	—
	Universal (w/o legend inserts)	25	BG214	—	BW260	BR214
	Start-Stop (Maintained Contact)	10	BG215	BF215	BW255	BR215
	On -Off (Maintained Contact)	10	BG216	BF216	BW256	BR216
	Universal (Maintained contact w/o legend inserts)	10	BG218	—	—	BR218
3	Fast-Slow-Stop	109	BG301	—	—	—
	Forward-Reverse-Stop	109	BG302	—	—	—
	Opn-Close-Stop	109	BG303	BF303	—	—
	Raise-Lower-Stop	109	BG304	—	—	—
	Up-Down-Stop	109	BG305	BF305	—	—
	Start-Jog-Stop	109	BG316	—	—	—
	Universal (w/o legend inserts)	8	BG307	—	—	—
Start-Stop, Red Pilot Light: 120Vac/dc	145 & 121	BG308	BF308	—	—	



NEMA 1 Surface Mounting Type BG201



NEMA 1 Flush Mounting (w/o pullbox) Type BF201



NEMA 4 Type BW243



NEMA 7 and 9 Type BR103

Table 19.340: Accessories

Description	Color	Type [9]
Mushroom Caps for NEMA 1	Red	B301
Mushroom Caps for NEMA 4	Red	B303
Lockout Kit for NEMA 1	—	B321
Pilot Light Lenses, NEMA 1 Surface Mount	Red	B331
Pilot Light Lenses, NEMA 1 Surface Mount	Green	B332
Pilot Light Lenses, NEMA 1 Flush Mount	Red	B341
Pilot Light Lenses, NEMA 1 Flush Mount	Green	B342
Replacement Covers for BW240 [10]	—	BWD219
Replacement Covers for BW241 [11][10]	—	BWD220
Replacement Covers for BW242-BW260 [10]	—	BWD219

Table 19.341: Interchangeable Push Button Legend Inserts

Marking	For NEMA 1 Surface Mount [9]	For NEMA 4 or 7/9 Lever Type [9]	For NEMA 4 Round Button [9]	For NEMA4 Mushroom Button [9]
Start	B101	B161	B259	B282
Stop	B102	B162	B260	B283
Fast	B103	—	—	—
Slow	B104	—	—	—
Forward	B105	—	B255	—
Reverse	B106	—	B256	—
Open	B107	—	B263	—
Close	B108	—	B264	—
Raise	B109	—	B261	—
Lower	B110	—	B262	—
Up	B111	—	B253	B276
Down	B112	—	B254	B277
On	B115	B175	B257	—
Off	B116	B176	B258	—
Hand	B117	—	B265	—
Auto	B118	—	B266	—
Jog	B119	—	—	—
Blank (Black)	B129	B189	B251	B251
Blank (Red)	B129R	B189R	B252	B252

For Replacement Interiors, see Replacement Interiors for Type B Standard Duty Push Button Stations, page 19-111.

For Ratings, see Electrical Contact Ratings, page 19-111.

[6] See Table 19.342 Replacement Interiors For Type B Standard Duty Push Button Stations , page 19-111.  
 [7] Uses standard 2.0 or 2.13 in. deep wall boxes, single gang for Types BF1 and BF2, two gang for Type BF3  
 [8] Also rated for Class I, Division I and II, Groups B, C, or D; Class II, Division I and II, Groups E, F, or G  
 [9] When ordering, add prefix 9001 to the catalog number.  
 [10] Replacement case/covers are not available for Type BR devices.  
 [11] Includes factory installed lockout on the cover.

**Replacement Parts for Type B Standard Duty Control Stations**

**Table 19.342: Replacement Interiors For Type B Standard Duty Push Button Stations**



Type BGC214  
(Type BGC contact block assemblies include cover.)



Type BGB214



BOC361

For Control Station Type	Contact Symbol	Contact Block Assembly [1]	Terminal Block Wiring Receptacle
		Type	Type
BF101–BF107	16	BOC107	BFB107
BF111–BF114	19 or 17	BOC114	BFB114
BF121–BF123	121	BOC123	BFB123
BF201–BF214	25	BOC214	BFB214
BF215–BF218	10	BOC218	BFB214
BF221–BF224	7 or 19 & 121	BOC224	BFB224
BF225–BF226	17 or 19 & 16	BOC226	BFB226
BF301–BF307	8	BOC214 & BOC107	BFB214 & BFB107
BF308–BF309	25 & 121	BOC214 & BOC123	BFB214 & BFB123
BF310–BF313	10 & 121	BOC218 & BOC123	BFB214 & BFB123
BF314–BF315	17 or 19 & 25	BOC214 & BOC114	BFB214 & BFB114
BG101–BG107	16	BGC107	BGB107
BG111–BG114	17 or 19	BGC114	BGB114
BG121–BG123	121	BGC123	BGB123
BG201–BG214	25	BGC214	BGB214
BG215–BG218	10	BGC218	BGB214
BG221–BG224	17 or 19 & 121	BGC224	BGB224
BG225–BG226	17 or 19 & 16	BGC226	BGB226
BG301–BG307	8	BGC307	BGB307
BG316–BG326			
BG308–BG309	25 & 121	BGC309	BGB309
BG310–BG313	10 & 121	BGC313	BGB309
BG314–BG315	17 or 19 & 25	BGC315	BGB315
BR101–BR107	16	BOC107	BFB107
BR202–BR214	25	BOC214	BFB214
BR215–BR219	10	BOC218	BFB214
BW101–BW107	16	BOC107	BFB107
BW202–BW214	25	BOC214	BFB214
BW215–BW218	10	BOC218	BFB214
BW146–BW159	16	BOC360	
BW240–BW260	25	BOC361	
BW255–BW258	10	BOC362	

**NOTE:** Contact block assemblies for all Type BG stations include cover and contact block. Replacement contact block assemblies and terminal block wiring receptacles for push buttons have provision for 1 N.O. & 1 N.C. circuit on each button. Unneeded circuits need not be wired.

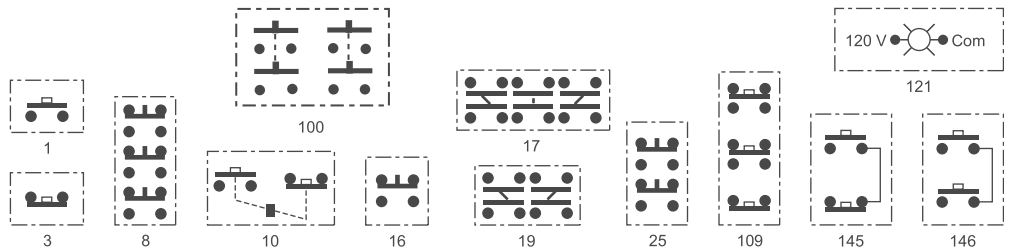
**Table 19.343: Mounting Bracket**

Description	Catalog Number
C-Shaped Mounting Bracket for 9001BR Interior	3110112001

**Table 19.344: Electrical Contact Ratings [2]**

Volts	AC—NEMA B600					DC—NEMA P600			
	Inductive 35% Power Factor				Continuous Carrying Amperes	Resistive 75% Power Factor Make, Break and Continuous Carrying Amperes	Volts	Inductive and Resistive	
	Make		Break					Make and Break Amperes	Continuous Carrying Amperes
	A	VA	A	VA					
120	30.5	3600	3.75	360	5	5	120	1.1	5
240	15	3600	1.5	360	5	5	240	0.55	5
480	7.5	3600	.75	360	5	5	600	0.2	5
600	6	3600	.6	360	5	5			

**Contact Symbols**



[1] Order separate legend plates, if required, from Table 19.341 Interchangeable Push Button Legend Inserts, page 19-110.

[2] OSHA Regulation, Section 1910.70, Overhead and Gantry Cranes, limits the voltage of pendant push buttons to 150 Vac or 300 Vdc.