

Assembled Switches—Special Purpose

2

E50 Heavy-Duty Plug-In Switches, Assembled—Special Purpose**Neutral Position**

Operating Data—Nominal Switches	Assembled Switch Catalog Number	Switch Body Only Catalog Number	Receptacle Only Catalog Number	Operating Head Only Catalog Number
Neutral Position (requires an operating lever, see section 2.8)				
5° Travel	E50NN1 ①	E50SN	E50RB	E50DN1 ①
5° Travel; stainless steel shaft	E50NN1SPL ②	—	—	—
15° Travel	E50NN2	E50SN	E50RB	E50DN2 ①
Travel to operate contacts:	5° or 15° ③	5° or 15° ③	5° or 15° ③	5° or 15° ③
Travel to reset contacts:	2°	2°	2°	2°
Total travel:	90°	90°	90°	90°
Force to operate contacts:	1.8 in-lbs	1.8 in-lbs	1.8 in-lbs	1.8 in-lbs
Minimum return force:	2.5 in-oz	2.5 in-oz	2.5 in-oz	2.5 in-oz
Operating temperature:	14° to 200°F (-10° to 94°C)	14° to 200°F (-10° to 94°C)	14° to 200°F (-10° to 94°C)	14° to 200°F (-10° to 94°C)

Two-Step

—	E50TD1	E50ST	E50RB	E50DD1
Travel to operate contacts:	1st step 10°; 2nd step 20°			
Travel to reset contacts:	4° each	4° each	4° each	4° each
Total travel:	90°	90°	90°	90°
Force to operate contacts:	3 in-lbs	3 in-lbs	3 in-lbs	3 in-lbs
Minimum return force:	4.5 in-oz	4.5 in-oz	4.5 in-oz	4.5 in-oz
Operating temperature:	CW or CCW: 14° to 250°F (-10° to 121°C)	CW or CCW: 14° to 250°F (-10° to 121°C)	CW or CCW: 14° to 250°F (-10° to 121°C)	CW or CCW: 14° to 250°F (-10° to 121°C)
	CW and CCW: 14° to 200°F (-10° to 94°C)	CW and CCW: 14° to 200°F (-10° to 94°C)	CW and CCW: 14° to 200°F (-10° to 94°C)	CW and CCW: 14° to 200°F (-10° to 94°C)

Gravity Return

—	E50GG1	E50SG	E50RA	E50DG1
Without indicating light	E50GLG1	E50SGL	E50RA	E50DG1
With LED indicating light (24–120 Vac/Vdc)				
With neon indicating light (120 Vac)	E50GNG1	E50SGN	E50RA	E50DG1
Travel to operate contacts:	10° to 170°	10° to 170°	10° to 170°	10° to 170°
Travel to reset contacts:	8°	8°	8°	8°
Total travel:	360°	360°	360°	360°
Force to operate contacts:	3.0 in-oz	3.0 in-oz	3.0 in-oz	3.0 in-oz
Minimum return force:	Gravity	Gravity	Gravity	Gravity
Operating temperature:	14° to 200°F (-10° to 94°C)			

Circuit Diagrams, see **Page V8-T2-65**.**Notes**① Add **9** suffix to the model number for low temperature -40° to 174°F (-40° to 79°C) versions.

② Low temperature rating -40° to 174°F (-40° to 79°C)

③ Depending upon model selected.