

# 2.6

## Limit Switches

### E50 Heavy-Duty Plug-In Switches

#### Assembled Switches—Special Purpose

2

#### E50 Heavy-Duty Plug-In Switches, Assembled—Special Purpose

Operating Data— Nominal Switches	Assembled Switch Catalog Number	Switch Body Only Catalog Number	Receptacle Only Catalog Number	Operating Head Only Catalog Number
<b>Neutral Position</b> (requires an operating lever, see <a href="#">Page V8-T2-80</a> )				
5° Travel	<b>E50NN1</b> ①	<b>E50SN</b>	<b>E50RB</b>	<b>E50DN1</b> ①
5° Travel; stainless steel shaft	<b>E50NN1SPL</b> ②	—	—	—
15° Travel	<b>E50NN2</b>	<b>E50SN</b>	<b>E50RB</b>	<b>E50DN2</b> ①
Travel to operate contacts:	—	—	—	5° or 15° ③
Travel to reset contacts:	—	—	—	2°
Total travel:	—	—	—	90°
Force to operate contacts:	—	—	—	1.8 in-lbs
Minimum return force:	—	—	—	2.5 in-oz
Operating temperature:	—	—	—	14° to 200°F (–10° to 94°C)
<b>Two-Step</b>				
<b>Two-Step CW, CCW, or both, Convertible</b> (requires an operating lever, see <a href="#">Page V8-T2-80</a> )				
—	<b>E50TD1</b>	<b>E50ST</b>	<b>E50RB</b>	<b>E50DD1</b>
Travel to operate contacts:	—	—	—	1st step 10°; 2nd step 20°
Travel to reset contacts:	—	—	—	4° each
Total travel:	—	—	—	90°
Force to operate contacts:	—	—	—	3 in-lbs
Minimum return force:	—	—	—	4.5 in-oz
Operating temperature:	—	—	—	CW or CCW: 14° to 250°F (–10° to 121°C) CW and CCW: 14° to 200°F (–10° to 94°C)
<b>Gravity Return</b> (requires E50KL220, E50KL226 or equivalent operating lever, see <a href="#">Page V8-T2-80</a> )				
Without indicating light	<b>E50GG1</b>	<b>E50SG</b>	<b>E50RA</b>	<b>E50DG1</b>
With LED indicating light (24–120 Vac/dc)	<b>E50GLG1</b>	<b>E50SGL</b>	<b>E50RA</b>	<b>E50DG1</b>
With neon indicating light (120 Vac)	<b>E50NGG1</b>	<b>E50SGN</b>	<b>E50RA</b>	<b>E50DG1</b>
Travel to operate contacts:	—	—	—	10° to 170°
Travel to reset contacts:	—	—	—	8°
Total travel:	—	—	—	360°
Force to operate contacts:	—	—	—	3.0 in-oz
Minimum return force:	—	—	—	Gravity
Operating temperature:	—	—	—	14° to 200°F (–10° to 94°C)
<b>Circuit Diagrams</b> , see <a href="#">Page V8-T2-65</a> .				

#### 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.