

2.6




Limit Switches

E50 Heavy-Duty Plug-In Switches

Assembled Switches—Special Purpose

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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
Neutral Position	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	Two-Step CW, CCW, or both, Convertible (requires an operating lever, see section 2.8)				
	—	E50TD1	E50ST	E50RB	E50DD1
	Travel to operate contacts:	1st step 10°; 2nd step 20°	1st step 10°; 2nd step 20°	1st step 10°; 2nd step 20°	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 and CCW: 14° to 200°F (–10° to 94°C)	CW or CCW: 14° to 250°F (–10° to 121°C) CW and CCW: 14° to 200°F (–10° to 94°C)	CW or CCW: 14° to 250°F (–10° to 121°C) CW and CCW: 14° to 200°F (–10° to 94°C)	CW or CCW: 14° to 250°F (–10° to 121°C) CW and CCW: 14° to 200°F (–10° to 94°C)
Gravity Return	Gravity Return (requires E50KL220, E50KL226 or equivalent operating lever, see section 2.8)				
	Without indicating light	E50GG1	E50SG	E50RA	E50DG1
	With LED indicating light (24–120 Vac/Vdc)	E50GLG1	E50SGL	E50RA	E50DG1
	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)	14° to 200°F (–10° to 94°C)	14° to 200°F (–10° to 94°C)	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.