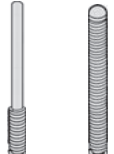


Limit Switches

3SE03 North American Limit Switches

Modular, plug-in metal housing

Levers for plug-in and non-plug-in versions—most widely used

Description	Length ^①	Roller mounted on side of lever	Roller material	Roller diameter	Roller face width	Max required ^② return torque (oz-in.)	DT	Catalog Number	List Price \$ 1 unit
	1.5 (38)	Front	Nylatron	0.75 (19)	0.31 (8)	0.53	▶	3SX03-KL200	
	1.5 (38)	Front	Cast aluminum	0.75 (19)	0.31 (8)	1.10	▶	3SX03-KL355	
	1.5 (38)	Back	Cast aluminum	0.75 (19)	0.31 (8)	1.10	▶	3SX03-KL579	
	1.5 (38)	Back / back	Nylatron	0.75 (19)	0.31	–	▶	3SX03-KL204	
	1–3.5 (25–89)	Front	Nylatron	0.75 (19)	0.31 (8)	1.90 ^⑤	▶	3SX03-KL201	
	1–3.5 (25–89)	Front	Metal	0.75 (19)	0.31 (8)	3.40 ^⑤	▶	3SX03-KL538	
	9 (229)	–	Stainless steel	–	–	7.00 ^⑤	▶	3SX03-KL220	
	Adjustable spring rod	–	Nylon	–	–	3.50 ^⑤	▶	3SX03-KL556	
	6 (152)	–	Nylatron	–	–	0.40	▶	3SX03-KL142	
Levers									
	Rod	–	Nylon	–	–	–	▶	3SX03-KW2	
	Coil spring	–	Coil spring	–	–	–	▶	3SX03-KW4	
	For plunger actuated switches wobble actuators ^⑥								

Levers for plug-in and non-plug-in versions:

Operator	Length ^①	Roller			Max required ^② return torque (oz-in.)	Catalog Number			List Price \$ 1 unit
		Type	Diameter	Face (width)		Stainless steel	DT	Cast aluminum	
	0.87 (22)	Metal	0.75 (19)	0.31 (8)	0.62	–		3SX03-KL39	
	1.37 (35)	Metal	0.75 (19)	0.31 (8)	0.95	–	▶	3SX03-KL40	
	1.50 (38)	Nylatron	0.75 (19)	1.00 (25)	0.92	–	▶	3SX03-KL337	
		Ball bearing	0.69 (17)	0.25 (6)	0.77	–		3SX03-KL531	
		Without roller	–	–	0.32	–		3SX03-KL32	
	2.00 (51)	Nylatron	0.75 (19)	0.31 (8)	0.71	–	▶	3SX03-KL546	
		Nylatron	0.75 (19)	1.00 (25)	1.45	–		3SX03-KL572	
		Metal	0.75 (19)	0.31 (8)	1.5	–	▶	3SX03-KL549	
	250 (64)	Ball bearing	0.69 (17)	0.25 (6)	1.1	–		3SX03-KL552	
		Nylatron	0.75 (19)	0.31 (8)	1.0	–		3SX03-KL547	
Cast aluminum	3.00 (76)	Nylatron	0.75 (19)	1.00 (25)	1.8	–	▶	3SX03-KL573	
		Nylatron	1.5 (38)	0.28 (7)	1.4	–		3SX03-KL575	
		Metal	0.75 (19)	0.31 (8)	2.0	–	▶	3SX03-KL550	
		Ball bearing	0.69 (17)	0.25 (6)	1.5	–	▶	3SX03-KL553	
		Nylatron	0.75 (19)	0.31 (8)	1.3	–	▶	3SX03-KL548	
		Nylatron	0.75 (19)	1.00 (25)	2.3	–	▶	3SX03-KL574	
	3.00 (76)	Nylatron	1.5 (38)	0.28 (7)	1.8	–	▶	3SX03-KL576	
		Metal	0.75 (19)	0.31 (8)	2.5	–	▶	3SX03-KL551	
		Ball bearing	0.69 (17)	0.25 (6)	1.8	–	▶	3SX03-KL554	

All dimensions shown in inches and (millimeters). For reference purposes only. Not to be used for design or construction purposes.

- ① Roller lever: Length from the operating shaft axis to the roller axis.
All other: Length from the operating shaft axis to the tip.

② Caution—When selecting lever, required return torque should not exceed minimum return torque in operating head.

- ③ Cap screw accommodates 3/64 inch Allen wrench.
④ By re-assembling lever minimum can be reduced another 0.50 (13).

⑤ Applies when lever extended to maximum dimension.

⑥ See dimensions page 13/76.

Limit Switches

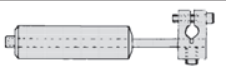
3SE03 North American Limit Switches

Modular, plug-in and
NEMA type 6P submersible

Levers for plug-in and non-plug-in versions—most widely used

Operator		Length ^① Inches (mm)	Roller			Min. required return torque oz-in ^⑤	Catalog Number				List Price \$ 1 unit
			Type	Diameter In. (mm)	Face width in. (mm)		DT	Stainless steel	Cast aluminum		
Roller levers											
	Roller on reverse side	1.50 (38)	Nylatron Nylatron Ball bearing	0.75 (19) 1.5 (38) 0.69 (17)	0.31 (8) 0.28 (7) 0.25 (6)	0.53 0.96 0.77	▶ — —	— — —	3SX03-KL310 3SX03-KL536 3SX03-KL580		
	Offset lever (Inboard roller shown)	1.50 (38) Inboard roller	Nylatron	0.75 (19)	0.31 (8)	0.65	▶	3SX03-KL24	—		
			Metal	0.75 (19)	0.31 (8)	1.20	▶	3SX03-KL25	—		
			Ball bearing	0.69 (17)	0.25 (6)	0.90	—	3SX03-KL26	—		
		1.50 (38) outboard roller	Nylatron	0.75 (19)	0.31 (8)	0.65	▶	3SX03-KL27	—		
			Metal	0.75 (19)	0.31 (8)	1.20	▶	3SX03-KL28	—		
			Ball bearing	0.69 (17)	0.25 (6)	0.90	▶	3SX03-KL29	—		
	Bantam lever	0.69 (18)	Nylatron	0.75 (19)	1 (25)	1.10	▶	3SX03-KL30	—		
			Metal	0.88 (22)	0.19 (5)	0.45	—	3SX03-KL532	—		
			Ball bearing	0.69 (17)	0.25 (6)	0.90	—	3SX03-KL535	—		
	Precision adjustment	1.50 (38) ^②	Nylatron	0.75 (19)	0.31 (8)	0.65	▶	3SX03-KL340	—		
			Metal	0.75 (19)	0.31 (8)	1.20	▶	3SX03-KL465	—		
			Ball bearing	0.69 (17)	0.25 (6)	0.90	▶	3SX03-KL535	—		
	Adjustable roller	1–3.75 (25–95) ^③ 1–3.75 (25–95) ^③ 1.62–3.75 (41–95) ^③ 0.50–3.75 (13–95) 1–3.75 (25–95) ^③ 0.50–3.75 (13–95)	Nylatron	0.75 (19)	0.5 (13)	1.90 ^④	▶	3SX03-KL599	—		
			Nylatron	0.75 (19)	1 (25)	3.10 ^④	▶	3SX03-KL537	—		
			Nylatron	1.5 (38)	0.28 (7)	2.50 ^④	▶	3SX03-KL443	—		
			Large nylatron	4 (102)	0.11 (3)	4.50 ^④	▶	3SX03-KL598	—		
			Ball bearing	0.69 (17)	0.25 (6)	2.50 ^④	▶	3SX03-KL539	—		
			Without roller	—	—	1.20 ^④	▶	3SX03-KL31	—		
	Fork lever _ both rollers one side	1.50 (38)	Nylatron	0.75 (19)	1 (25)	—	▶	3SX03-KL543	—		
			Metal	0.75 (19)	0.31 (8)	—	▶	3SX03-KL544	—		
			Ball bearing	0.69 (17)	0.25 (6)	—	—	3SX03-KL545	—		
	Fork lever _ both rollers outside, one side	1.50 (38)	Nylatron	0.75 (19)	0.31 (8)	—	▶	3SX03-KL203	—		
			Metal	0.75 (19)	0.31 (8)	—	—	3SX03-KL541	—		
			Ball bearing	0.69 (17)	0.25 (6)	—	—	3SX03-KL542	—		

Levers for plug-in and non-plug-in versions:

Operator	Length ^① Inches (mm)	Description Inches (mm)	Min. required return force oz-in. ^⑤	DT	Catalog Number	List Price \$ 1 unit
	Adjustable rod	5.50 (140) Max.	Nylon Rod—0.19 (5) Dia.	0.40 ^④	▶	3SX03-KL399
		5.50 (140) Max.	Metal Rod—0.12 (3) Dia.	0.92 ^④	▶	3SX03-KL202
		8.75 (222) Max.	Metal Rod (Square)—0.12 (3) Max.	2.20 ^④	▶	3SX03-KL581
		12 (305) Max.	Steel (Formable) Rod—0.12 (3) Dia.	5.00 ^④	▶	3SX03-KL226
		—	Clamp Only—0.19 (5) Hole	—	▶	3SX03-KL35
		—	Clamp Only—0.12 (3) Hole	—	▶	3SX03-KL36
	Spring rod	11.62 (295)	Metal rod	2.80		3SX03-KL421
	Adjustable wire	12.12 (308) max.	Nylon covered wire	1.50 ^④	▶	3SX03-KL533
	Adjustable wide roller lever	3.9 (99)	0.75 (19) Dia. Nylatron Roller 0.19 (30) Dia. Rod	4.50 ^④	▶	3SX03-KL37
Wobble head operators						
See dimensions page 13/76	Stainless steel rod	—	Rod diameter - 0.06 (2)	—	▶	3SX03-KW3

① Length from operating shaft axis to the roller axis.

② Maximum dimensions, precision adjustable to lesser dimensions.

③ By re-assembling lever minimum can be reduced by 1/2 in.

④ Applies when lever extended to maximum dimension.

⑤ Caution—When selecting lever, required return torque should not exceed minimum return force in operating head.

All dimensions shown in inches and (millimeters). For reference purposes only. Not to be used for design or construction purposes.