




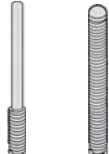


Limit Switches


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	12.125 (308)	-	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		
	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		
Cast aluminum	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		
	Nylatron	1.5 (38)	0.28 (7)	1.8	-	▶	3SX03-KL576		
	Metal	0.75 (19)	0.31 (8)	2.5	-	▶	3SX03-KL551		
3.00 (76)	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

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

Operator	Length ^① Inches (mm)	Roller			Min. required return torque oz-in. ^④	Catalog Number				
		Type	Diameter In. (mm)	Face width in. (mm)		DT	Stainless steel	Cast aluminum	List Price \$ 1 unit	
Roller levers										
	Roller on reverse side	1.50 (38)	Nylatron	0.75 (19)	0.31 (8)	0.53	▶	–	3SX03-KL310	
			Nylatron	1.5 (38)	0.28 (7)	0.96	–	–	3SX03-KL536	
			Ball bearing	0.69 (17)	0.25 (6)	0.77	–	–	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	–
Nylatron	0.75 (19)	1 (25)	1.10	▶	3SX03-KL30	–				
	Bantam lever	0.69 (18)	Metal	0.88 (22)	0.19 (5)	0.45	▶	3SX03-KL532		
	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. ^④	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.

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