

# Rotary Cam Switches

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# Series L2 Rotary Cam Switches

Attractive design,  
reliable operation and  
high quality for any  
application



Sprecher + Schuh's comprehensive line of L2 rotary cam switches are available for all control and load applications up to 25 amps. The line is modular and has many convenience and safety features. A well thought out ordering system provides many standard and nonstandard configurations, that are many times available off the shelf.

## Any switch configuration...

Two frame sizes provide control and load switching up to 25 amps, with as few as two, and as many as 16 contacts (recommended maximum). Both frame sizes are available in panel mount and base mount for total flexibility. A wide range of switching configurations are offered from stock and in many cases custom switches can be fabricated to order.

## ...For any application

L2 control and load switches are UL listed, CSA approved and comply with the most important international standards for use as:

- **Control switches** - for process control, making and breaking circuits and as instrument selector switches.
- **Motor switches** - as ON/OFF and reversing switches.
- **Multi-position load switches** - for the step control of loads such as heaters and furnaces.
- **Motor load disconnect switches** - for safely isolating circuits during repair and maintenance.
- **Emergency OFF switches** - for isolating circuits in case of danger or emergency situations. Can be equipped for locking in the OFF position.



## Safety and quality

The L2's sturdy design incorporates a positive switching action with a clearly designed switching point. Switch bodies are touch-safe (IP20) and manufactured from self-extinguishing materials corresponding to Class UL 94 V0. All control knobs and shafts are spray proof and dust proof to IP65.

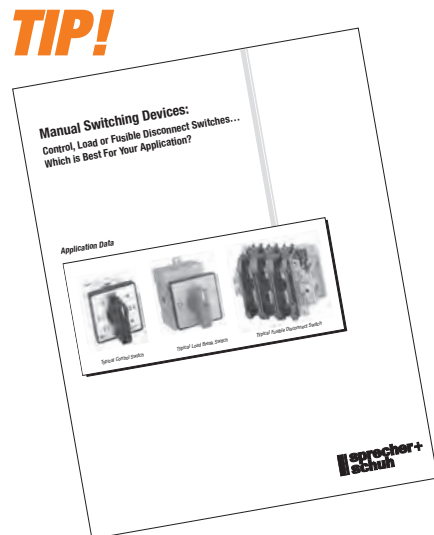
## Modular and flexible

The same switch handle assemblies and shaft extension systems are used for both our L2 control switches and L3 disconnect switches. This reduces inventory, simplifies stocking and allows you to put together the ideal switch for your application quickly and easily.

## Simple assembly and fast installation

Shaft extensions and door interlocks snap-on quickly without tools, saving time during assembly. Captive terminals are shipped open and are totally accessible regardless of whether the switch is base mounted or panel mounted. Screwdriver guides and clear terminal markings reduce wiring mistakes and speed installation.

In addition, most switch handle assemblies are available with either screw fixing or the new central nut mounting system for total flexibility.



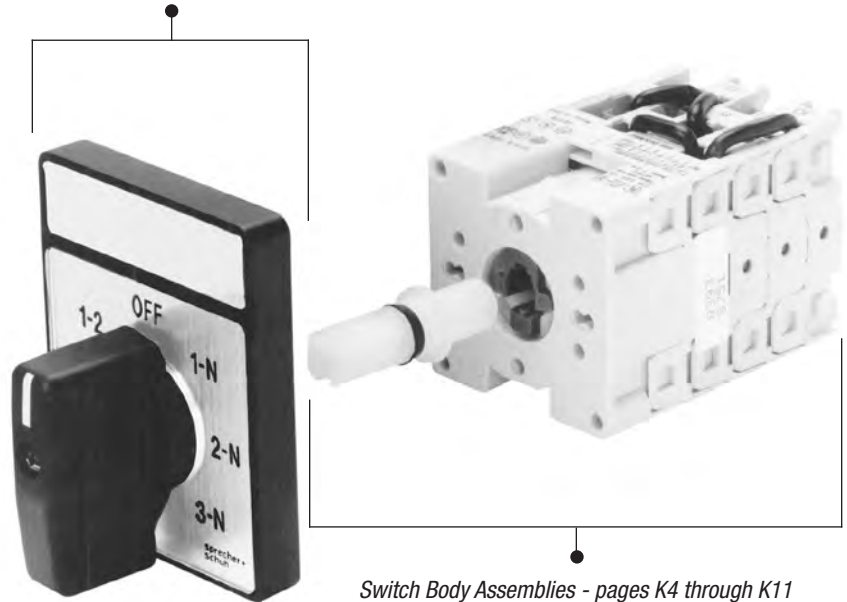
To learn the basic differences between control, load and fusible disconnect switches and how to apply them, ask your Sprecher + Schuh representative for publication no: Tech-LMSD

## How to order L2 control and load switches

A complete L2 switch is ordered with just two catalog numbers. The first number specifies the switch body and the second specifies the switch handle assembly. All L2 switch bodies come standard with a shaft and mounting screws for the switch handle assembly. Accessories such as shaft extensions and enclosures are ordered separately.

First determine the switch body you need from pages K4 through K11. Then turn to page K12 to choose a switch handle assembly. If necessary, turn to page K24 and K25 to determine the type and length of shaft extension you require.

*Switch Handle Assemblies - page K12*



*Switch Body Assemblies - pages K4 through K11*

## Custom made switches

Sprecher + Schuh can manufacture a full array of custom switches within reasonable time frames. Refer to the last chapter in this section entitled “Custom L2 and R-Line Rotary Cam Switches.” Before ordering a custom switch, always consult with your Sprecher + Schuh representative to determine if a stock or standard switch is practical for your application.

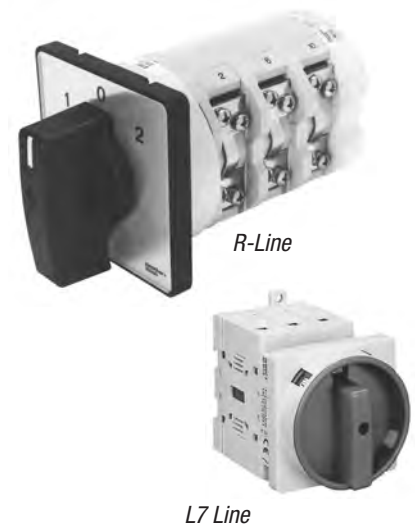
## A comprehensive family of switches

The L2 line is part of an entire family of control and load switches available from Sprecher + Schuh.

For specialized switching requirements or large ampere applications up to 40A (@600V), our R-Line Rotary Cam Switches offer a broad selection and rugged quality. See the next chapter in this section entitled “R-Line Rotary Cam Switches” for ordering information.

Our modular L7 disconnect switches are rated to 100 amps for motor, load and disconnect switching. They share many of the same components with the L2 line. A complete description and ordering information can be found in Section L of this catalog.

Rounding out our selection of “man-machine interfaces,” Sprecher + Schuh also offers a broad selection of 22mm pilot devices. See Section H in this catalog for ordering information.



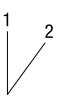

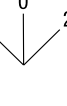
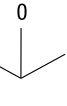
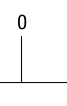
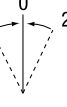

Switch Body Description			Circuit Diagram Number (▲)	Switch Body Catalog Number & Price								Switch Handle Code
Function	Switch Angle	Poles/Switch Wafers		Panel Mount				Base Mount				
				12 Amp	16 Amp	20 Amp	25 Amp	12 Amp	16 Amp	20 Amp	25 Amp	
			LE2-12-▲	LE2-16-▲	LE2-20-▲	LE2-25-▲	LA2-12-▲	LA2-16-▲	LA2-20-▲	LA2-25-▲		
<b>ON - OFF</b>												
	60°	1 / 1	1501	28.00	33.25	47.00	56.50					150
		2 / 1	1502	34.00	41.00	56.50	69.00					
		3 / 2	1503	45.00	55.00	74.50	89.00					
		4 / 2	1504	51.50	62.50	84.00	100.00					
		5 / 3	1505	62.00	76.50	102.00	120.00					
		6 / 3	1506	68.50	84.00	111.00	131.00					
	90°	1 / 1	1751	28.00	31.00	47.00	56.50	34.50	39.75	54.50	65.50	175 175I
		2 / 1	1752	34.00	41.00	56.50	69.00	41.00	47.50	64.00	76.50	
		3 / 2	1753	45.00	55.00	74.50	89.00	48.50	61.50	82.00	97.00	
		4 / 2	1754	51.50	62.50	84.00	100.00	58.00	69.00	92.00	107.00	
		5 / 3	1755	62.00	76.50	102.00	120.00	69.00	83.00	109.00	128.00	
		6 / 3	1756	68.50	84.00	111.00	131.00	75.00	90.50	119.00	138.00	
	90°	4 / 2	1764	51.50	62.50	84.00	100.00	58.00	69.00	92.00	107.00	175 175I
		5 / 3	1765	62.00	76.50	102.00	120.00	69.00	83.00	109.00	128.00	175 175I
	90°	4 / 2	1774	51.50	62.50	84.00	99.00	58.00	69.00	92.00	107.00	175 175I
		1 / 1	1781	28.00	31.00	47.00	56.50	34.50	39.75	54.50	65.50	178 178I
2 / 1	1782	34.00	41.00	56.50	69.00	41.00	47.50	64.00	72.00			
3 / 2	1783	45.00	55.00	74.50	89.00	51.50	61.50	82.00	97.00			
4 / 2	1784	51.50	62.50	84.00	100.00	57.00	69.00	92.00	107.00			

Rotary Cam Switches

L2

**Ordering Instructions**









- Specify Switch Body catalog# from top of column.
- Replace (▲) with Circuit Diagram Number (refer to pages K15-22 for diagrams).
- Select Switch Handle Assembly from pages K11-14 using Switch Handle Code above (switch handles sold separately).
- Example: **LE2-16-1753** (Switch Body)  
**LFS2-A-4-175** (Switch Handle Assembly)

Switch Body Description			Circuit Diagram Number (▲)	Switch Body Catalog Number & Price								Switch Handle Code
Function	Switch Angle	Poles/Switch Wafers		Panel Mount				Base Mount				
				12 Amp	16 Amp	20 Amp	25 Amp	12 Amp	16 Amp	20 Amp	25 Amp	
			LE2-12-▲	LE2-16-▲	LE2-20-▲	LE2-25-▲	LA2-12-▲	LA2-16-▲	LA2-20-▲	LA2-25-▲		
<b>Double Throw</b>												
	45°	1 / 1	2251	34.00	41.00	56.50	69.00	41.00	47.50	64.00	72.00	225
		2 / 2	2252	51.50	62.50	84.00	100.00	58.00	69.00	92.00	107.00	
		3 / 3	2253	68.50	84.00	111.00	131.00					
		4 / 4	2254	86.00	106.00	136.00	162.00					
		5 / 5	2255	113.00	22.55	178.00	204.00					
	60°	1 / 1	2501	34.00	41.00	56.50	69.00					250
		2 / 2	2502	51.50	62.50	84.00	100.00					
		3 / 3	2503	68.50	84.00	111.00	131.00					
		4 / 4	2504	86.00	106.00	139.00	162.00					
		5 / 5	2505	113.00	137.00	178.00	204.00					
	45°	1 / 1	3251	34.00	41.00	56.50	69.00	41.00	47.50	64.00		325 325R
		2 / 2	3252	51.00	62.50	84.00	100.00	58.00	69.00	92.00		
		3 / 3	3253	68.50	84.00	111.00	131.00	75.00	90.50	119.00		
		4 / 4	3254	86.00	106.00	139.00	162.00	92.00	112.00	147.00		
	60°	1 / 1	3501	34.00	41.00	56.50	69.00					350
		2 / 2	3502	51.00	62.50	84.00	100.00					
		3 / 3	3503	68.50	84.00	111.00	131.00					
		4 / 4	3504	86.00	106.00	139.00	162.00					
	90°	1 / 1	3751	34.00	41.00	56.50	69.00					375
		2 / 2	3752	51.00	62.50	84.00	100.00					
		3 / 3	3753	68.50	84.00	111.00	131.00					
		4 / 4	3754	86.00	106.00	139.00	162.00					
	30°	1 / 1	3001	34.00	41.00	56.50	69.00					300
		2 / 2	3002	51.00	62.50	84.00	100.00					
		3 / 3	3003	68.50	84.00	111.00	131.00					
	45°	1 / 1	3261	34.00	41.00	56.50	69.00					325
		2 / 2	3262	51.00	62.50	84.00	100.00					
		3 / 3	3263	68.50	84.00	111.00	131.00					

Rotary Cam Switches  
L2

**Ordering Instructions**

- Specify Switch Body catalog# from top of column.
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- Example: **LE2-16-1753** (Switch Body)  
**LFS2-A-4-175** (Switch Handle Assembly)

Switch Body Description			Circuit Diagram Number (▲)	Switch Body Catalog Number & Price								Switch Handle Code	
Function	Switch Angle	Poles/Switch Wafers		Panel Mount				Base Mount					
				12 Amp	16 Amp	20 Amp	25 Amp	12 Amp	16 Amp	20 Amp	25 Amp		
				LE2-12-▲	LE2-16-▲	LE2-20-▲	LE2-25-▲	LA2-12-▲	LA2-16-▲	LA2-20-▲	LA2-25-▲		
<b>3 Position</b>													
	45°	1 / 2 2 / 3 3 / 5	4251	45.00	55.00	74.50	89.00	51.50	61.50	82.00	97.00	425	
			4252	68.50	84.00	111.00	131.00						
			4253	106.00	129.00	168.00	193.00						
	45°	1 / 2	4291	45.00	55.00	74.50	89.00					429	
	60°	1 / 2 2 / 3 3 / 5	4501	45.00	55.00	74.50	89.00					450	
			4502	68.50	84.00	111.00	131.00						
			4503	106.00	129.00	168.00	193.00						
<b>3 Position (with OFF)</b>													
	45°	1 / 1 2 / 2 3 / 3	5251	34.00	41.00	56.50	69.00					525	
			5252	51.00	62.50	84.00	100.00						
			5253	68.50	84.00	111.00	131.00						
	60°	1 / 1 2 / 1 3 / 2	5501	34.00	41.00	56.50	69.00					550	
			5502	51.00	62.50	84.00	100.00						
			5503	68.50	84.00	111.00	131.00						
<b>4 Position</b>													
	45°	1 / 2 2 / 4 3 / 6	4261	51.00	61.50	84.00	100.00	58.00	69.00	92.00	107.00	426	
			4262	86.00	106.00	139.00	162.00						
			4263	130.00	159.00	205.00	235.00						
	45°	1 / 2 2 / 4 3 / 6	4301	51.00	61.50	84.00	100.00					430	
			4302	86.00	106.00	139.00	162.00						
			4303	130.00	159.00	205.00	235.00						
	60°	1 / 2 2 / 4 3 / 6	4511	51.00	61.50	84.00	100.00					451	
			4512	86.00	106.00	139.00	162.00						
			4513	130.00	159.00	205.00	235.00						

K Rotary Cam Switches L2

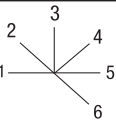
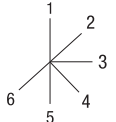
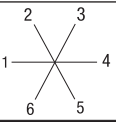
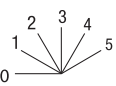
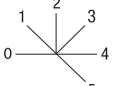
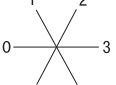
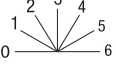
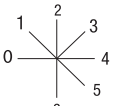
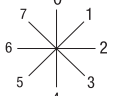
**Ordering Instructions**

- Specify Switch Body catalog# from top of column.
- Replace (▲) with Circuit Diagram Number (refer to pages K15-22 for diagrams).
- Select Switch Handle Assembly from pages K11-14 using Switch Handle Code above (switch handles sold separately).
- Example: **LE2-16-1753** (Switch Body)  
**LFS2-A-4-175** (Switch Handle Assembly)

Switch Body Description			Circuit Diagram Number (▲)	Switch Body Catalog Number & Price								Switch Handle Code
Function	Switch Angle	Poles/Switch Wafers		Panel Mount				Base Mount				
				12 Amp	16 Amp	20 Amp	25 Amp	12 Amp	16 Amp	20 Amp	25 Amp	
			LE2-12-▲	LE2-16-▲	LE2-20-▲	LE2-25-▲	LA2-12-▲	LA2-16-▲	LA2-20-▲	LA2-25-▲		
<b>4 Position (with OFF)</b>												
	45°	1 / 2 2 / 3 3 / 5	5261	45.00	55.00	74.50	89.00	52.00	61.50	82.00	97.00	526
			5262	68.50	84.00	111.00	131.00					
			5263	106.00	129.00	168.00	193.00					
	60°	1 / 2 2 / 3 3 / 5	5511	45.00	55.00	74.50	89.00					551
			5512	68.50	84.00	111.00	131.00					
			5513	106.00	129.00	168.00	193.00					
<b>5 Position</b>												
	45°	1 / 3	4271	62.00	76.50	102.00	120.00	69.00	83.00	109.00	128.00	427
			4521	62.00	76.50	102.00	120.00					
	60°	1 / 3	4521	62.00	76.50	102.00	120.00					452
			4521	62.00	76.50	102.00	120.00					
<b>5 Position (with OFF)</b>												
	30°	1 / 2 2 / 4 3 / 6	5001	51.00	62.50	84.00	100.00					500
			5002	86.00	106.00	139.00	162.00					
			5003	130.00	159.00	205.00	235.00					
	45°	1 / 2 2 / 4 3 / 6	5271	51.00	62.50	84.00	100.00	58.00	69.00	92.00	107.00	527
			5272	86.00	106.00	139.00	162.00					
			5273	130.00	159.00	205.00	235.00					
	60°	1 / 2 2 / 4 3 / 6	5521	51.00	62.50	84.00	100.00					552
			5522	86.00	106.00	139.00	162.00					
			5523	130.00	159.00	205.00	235.00					

**Ordering Instructions**

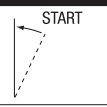
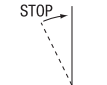
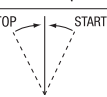
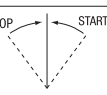
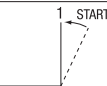
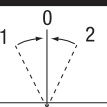
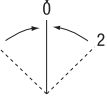
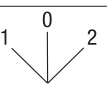
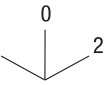
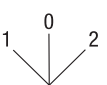
- Specify Switch Body catalog# from top of column.
- Replace (▲) with Circuit Diagram Number (refer to pages K15-22 for diagrams).
- Select Switch Handle Assembly from pages K11-14 using Switch Handle Code above (switch handles sold separately).
- Example: **LE2-16-1753** (Switch Body)  
**LFS2-A-4-175** (Switch Handle Assembly)

Switch Body Description			Circuit Diagram Number (▲)	Switch Body Catalog Number & Price								Switch Handle Code
Function	Switch Angle	Poles/Switch Wafers		Panel Mount				Base Mount				
				12 Amp	16 Amp	20 Amp	25 Amp	12 Amp	16 Amp	20 Amp	25 Amp	
			LE2-12-▲	LE2-16-▲	LE2-20-▲	LE2-25-▲	LA2-12-▲	LA2-16-▲	LA2-20-▲	LA2-25-▲		
<b>6 Position</b>												
	45°	1 / 3	4281	68.50	84.00	111.00	131.00	75.00	90.50	119.00	138.00	428
	45°	1 / 3	4311	68.50	84.00	111.00	131.00					431
	60°	1 / 3	4531	68.50	84.00	111.00	131.00					453
<b>6 Position (with OFF)</b>												
	30°	1 / 3	5011	62.00	76.50	102.00	120.00					501
		2 / 5	5012	113.00	137.00	178.00	204.00					
		3 / 8	5013	158.00	194.00	251.00	286.00					
	45°	1 / 3	5281	62.00	76.50	102.00	120.00	69.00	83.00	109.00	128.00	528
		2 / 5	5282	113.00	137.00	178.00	204.00					
		3 / 8	5283	158.00	194.00	251.00	286.00					
	60°	1 / 3	5531	62.00	76.50	102.00	120.00					553
		2 / 5	5532	113.00	137.00	178.00	204.00					
		3 / 8	5533	158.00	194.00	251.00	286.00					
<b>7 Position (with OFF)</b>												
	30°	1 / 3	5021	68.50	84.00	111.00	131.00					502
		2 / 6	5022	130.00	159.00	205.00	235.00					
	45°	1 / 3	5291	68.50	84.00	111.00	131.00	75.00	90.50	119.00	138.00	529
		2 / 6	5292	130.00	159.00	205.00	235.00					
<b>8 Position (with Off)</b>												
	45°	1 / 4	5341	79.00	98.00	129.00	151.00					534

**Ordering Instructions**

- Specify Switch Body catalog# from top of column.
- Replace (▲) with Circuit Diagram Number (refer to pages K15-22 for diagrams).
- Select Switch Handle Assembly from pages K11-14 using Switch Handle Code above (switch handles sold separately).
- Example: **LE2-16-1753** (Switch Body)  
**LFS2-A-4-175** (Switch Handle Assembly)



Switch Body Description			Circuit Diagram Number (▲)	Switch Body Catalog Number & Price								Switch Handle Code
Function	Switch Angle	Poles/Switch Wafers		Panel Mount				Base Mount				
				12 Amp	16 Amp	20 Amp	25 Amp	12 Amp	16 Amp	20 Amp	25 Amp	
			LE2-12-▲	LE2-16-▲	LE2-20-▲	LE2-25-▲	LA2-12-▲	LA2-16-▲	LA2-20-▲	LA2-25-▲		
<b>START - STOP</b>												
	30°	1 / 1	9001	28.00	33.25	47.00	58.00	34.50	39.75	54.50	65.50	900
	30°	1 / 1	9011	28.00	33.25	47.00	58.00	34.50	39.75	54.50	65.50	901
	30°	1 / 1	9021	34.00	41.00	56.50	69.00	41.00	47.50	64.00	76.50	902
	45°	1 / 1	9251	34.00	41.00	56.50	69.00	41.00	47.50	64.00	76.50	925
	90°/30°	1 / 1	9751	34.00	41.00	56.50	69.00	41.00	47.50	64.00	76.50	975
<b>REVERSING</b>												
	30°	3 / 3	7003	62.00	76.50	102.00	120.00					300
	45°	3 / 3	7313	62.00	76.50	102.00	120.00	69.00	83.00	109.00	128.00	325
	45°	3 / 3	7303	62.00	76.50	102.00	120.00	69.00	83.00	109.00	128.00	325
	60°	3 / 3	7543	62.00	76.50	102.00	120.00					350
<b>Two Speed Single Winding (Dahlander)</b>												
	45°	3 / 4	7293	86.00	106.00	139.00	162.00					325

**K**  
Rotary Cam Switches  
L2

**Ordering Instructions**

- Specify Switch Body catalog# from top of column.
- Replace (▲) with Circuit Diagram Number (refer to pages K15-22 for diagrams).
- Select Switch Handle Assembly from pages K11-14 using Switch Handle Code above (switch handles sold separately).
- Example: **LE2-16-1753** (Switch Body)  
**LFS2-A-4-175** (Switch Handle Assembly)

SSMA9000

Switch Body Description			Circuit Diagram Number (▲)	Switch Body Catalog Number & Price								Switch Handle Code
Function	Switch Angle	Poles/Switch Wafers		Panel Mount				Base Mount				
				12 Amp	16 Amp	20 Amp	25 Amp	12 Amp	16 Amp	20 Amp	25 Amp	
			LE2-12-▲	LE2-16-▲	LE2-20-▲	LE2-25-▲	LA2-12-▲	LA2-16-▲	LA2-20-▲	LA2-25-▲		
<b>Voltmeter</b>												
	30°	NA / 3	8001	68.50	84.00	111.00	131.00					800 800A
	45°	NA / 3	8251	68.50	84.00	111.00	131.00	75.00	90.50	119.00	138.00	825 825A
	30°	NA / 2	8021	51.00	62.50	84.00	100.00	58.00	69.00			802 802A
	45°	NA / 2	8271	51.00	62.50	84.00	100.00	58.00				827 827A
	30°	NA / 2	8031	51.00	62.50	84.00	100.00	58.00	69.00			803
	45°	NA / 2	8291	51.00				58.00				829 829A
	45°	NA / 3	8332	62.00	76.50	102.00						833 833A
<b>Ammeter</b>												
	90°	1 / 3 2 / 5	8751 8752	68.50 106.00	84.00 129.00	111.00 130.00	131.00 193.00	75.00	90.50	119.00	138.00	875
	90°	1 / 4	8761	86.00	106.00	139.00	162.00	92.00	112.00	147.00	170.00	876
	90°	1 / 1	8771	34.00	41.00	56.50	69.00	41.00	47.50	64.00	76.50	178

**K**  
Rotary Cam Switches  
**L2**

**Ordering Instructions**

- Specify Switch Body catalog# from top of column.
- Replace (▲) with Circuit Diagram Number (refer to pages K15-22 for diagrams).
- Select Switch Handle Assembly from pages K11-14 using Switch Handle Code above (switch handles sold separately).
- Example: **LE2-16-1753** (Switch Body)  
**LFS2-A-4-175** (Switch Handle Assembly)