

Series L11 Fusible up to 800A & Non-fusible Disconnect Switches up to 1200 Amps

Suitable as a UL98 Service Entrance Disconnecting Means



TIP!



To learn the basic differences between control, load and fusible disconnect switches and how to apply them, see our white paper Tech-LMSD in the online library.

Sprecher + Schuh's L11 series of fused and nonfused disconnect switches complies with UL98 service entrance requirements and is NFPA 79 compliant. This family of rod operated switches is suitable for applications that require small panel space and superior short circuit protection.

Big performance in a small package

L11 disconnects are rated up to 1200A and can be operated at up to 600V. They protect motors up to 500HP (@480V). The L11 may be installed on circuits capable of delivering up to 200,000A of short circuit fault current levels typically found in modern industrial facilities.

The new expanded offering of the L11 disconnect series ranges from 100A through 1200A. The L11 Fusible switches are available from 100A up to 800A, and are designed to be used with Class J & L fuses. The L11 Non-Fusible switches are available from 100A up to 1200A. Optional auxiliary contacts can also be mounted on the switch for control circuit use. The L11 family performance comes in a compact design, leaving room for additional branch circuit components within the panel.

Maximum protection for downstream equipment

L11 switches are UL98 approved as a branch circuit protection device and are engineered to provide excellent short-circuit protection for downstream equipment up to 200kA. The L11 fusible switches accept the latest small dimension Class CC, J, L and HRCII fuses.

This Type 2 protection limits let-through currents to levels specified for IEC equipment, and ensures that when the short circuit is cleared, the device will be operable.

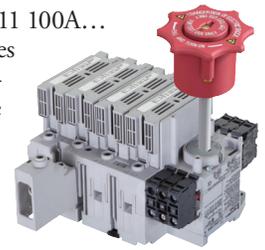


Meets the toughest safety standards

The L11 offers a modular universal internal handle which provides an interlocked handle for test mode use (30A/60A) and UL508A and NFPA 79 compliance in North America. The L11 30A & 60A are equipped with removable fuse carriers which provide dead-front switch protection during fuse change-out. Fuse carriers with neon blown fuse indicators are also available as an option on 30A & 60A models. Test mode D7 auxiliary contacts may be installed to provide test capability of control circuit without energizing the main contacts for the L11-30A/60A switches. The L11 switches meet IP20 for finger-safe wiring terminals and IP30 for touch-safe fuse carriers.

NFPA 79 Compliant

All L11 30/60A & L11 100A... 800A Fusible switches are NFPA79 compliant, which meets the following guidelines under the NFPA 79 standards 5.3.3.1 and 6.2.3.1.2.



The supply Circuit Disconnecting Device shall:

- Be provided with a permanent means permitting it to be locked in the open position only independent of the door position.
- Be operable, by qualified persons, independent of the door position without the use of accessory tools or devices.

The interlocking means shall:

- Be reactivated automatically when the door is closed.
- Prevent closing of the disconnecting means while the enclosure door is open, unless an interlock is operated by deliberate action.

International standards and approvals

All Sprecher + Schuh L11 disconnect switches are UL Listed under File Number E47426, CSA, CE Marked and are designed to meet IEC 947-3, and applicable NEMA requirements.

L2

L11 Disconnect Switches

UL/CSA Fused Disconnect Switches ⑤

Switch	Amp Rating (A)	Maximum Horsepower ①							Catalog Number	Dimension Code	
		1 Ø (60Hz)		Three Phase (60Hz)			DC				
		120V	240V	240V	480V	600V	125V	250V			
UL Class CC and CSA HRCI-Misc Fuses ②											
 <p>30A & 60A Typical</p>  <p>L11-J100A...L800A Typical</p>	30	2	3	7.5	15	20	3	5	L11-C30-1753	A1	
	UL Class J and CSA HRCI-J Fuses ②										
	30	2	3	7.5	15	20	3	5	L11-J30-1753	A1	
	60	3	10	15	30	50	5	10	L11-J60-1753	B1	
	100	7.5	15	30	60	75	7.5	20	L11-J100-1753	F5	
	200	~	25	60	125	150	15	40	L11-J200-1753	F6	
	400	~	50	125	250	350	20	50	L11-J400-1753	F7	
600	~	~	200	400	500	~	~	L11-J600-1753	F8		
UL Class L and CSA HRCII-L Fuses											
800	~	~	200	500	500	~	~	L11-L800-1753	F9		
CSA HRCII-C Fuses											
30	2	3	7.5	15	20	3	5	L11-H30-1753	B1		
60	3	10	15	30	50	5	10	L11-H60-1753	B1		

Items in Gray available by Special Order only.

UL/CSA Non-Fused Disconnect Switches ③

Switch	Amp Rating (A)	Maximum Horsepower							No. of Poles	Catalog Number	Dimension Code
		1 Ø (60Hz)		Three Phase (60Hz)			DC				
		120V	240V	240V	480V	600V	125V	250V			
 <p>30A & 60A Typical</p>  <p>NU100A...1200A Typical</p>	30	2	3	7.5	15	20	3	5	3	L11-N30-1753	A2
	60	3	10	15	30	40	5	10	3	L11-N60-1753	B2
	100	7.5	15	30	75	100	10	15	3	L11-NU100-1753	F1
	200	~	50	75	150	200	15	15	3	L11-NU200-1753	F1
	400	~	~	125	250	350	20	50	3	L11-NU400-1753	F2
	600	~	~	200	400	350	20	50	3	L11-NU600-1753	F3
	800	~	~	200	500	500	~	~	3	L11-NU800-1753	F4
	1200	~	~	200	500	500	~	~	3	L11-NU1200-1753	F4

L2

L11 Disconnect Switches

Ordering Instructions

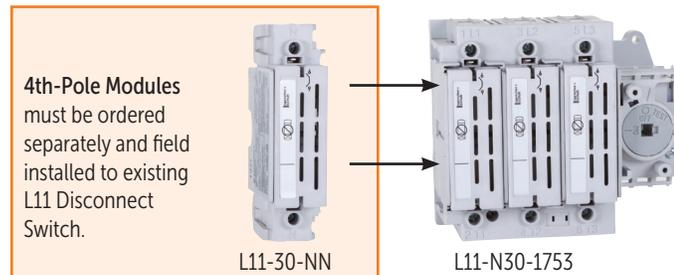
- Specify Disconnect Switch catalog number (this page)
- Specify desired switch handle catalog number (page L2:4)
- Specify desired operating shaft catalog number (page L2:5)
- Specify desired accessories (starting on page L2:6)

- ① Time delay fuses may be required to utilize the disconnect switch at its maximum horsepower rating.
- ② Only UL listed Class CC, J and CSA Certified HRCI-J fuses are suitable for use with these disconnect switches.
- ③ Non-fused disconnect switches must use separately installed fuses for upstream short circuit protection.
- ④ 30A UL-rated device has Ithe of 40 A per IEC. 60A UL-rated device has Ithe of 80A per IEC.
- ⑤ To order a fusible switch with fuse status indicator on 30A and 60A switches, add an "S" to the end of the catalog number. For example, L11-J30-1753 changes to L11-J30-1753S. Not available on J100...J600, or L800 devices. Price adder applies.

4th-Pole Modules (for 30A & 60A only) ④

Switch (typical)	Amp Rating (A)	Maximum Horsepower ①							Fuses	Catalog Number	Dimension Code
		1 Ø (60Hz)		Three Phase (60Hz)			DC				
		120V	240V	240V	480V	600V	125V	250V			
 <p>L11-30-NJ</p> <p>L11-30-NN</p>	UL Class CC and CSA HRCI-MISC Fuses										
	30	2	3	7.5	15	20	3	5	30A CC, HRCI-Misc	L11-30-NC	A1
	UL Class J and CSA HRCI-J Fuses										
	30	2	3	7.5	15	20	3	5	30A J, HRCI-J	L11-30-NJ	A1
	60	3	10	15	30	50	5	10	60A J, HRCI-J	L11-60-NJ	B1
	CSA HRCII-C Fuses										
	30	2	3	7.5	15	20	~	~	30A HRCII-C	L11-30-NH	B1
	60	3	10	15	30	50	~	~	60A HRCII-C	L11-60-NH	B1
	Non-Fused										
	30 ②	2	3	7.5	15	20	3	5	~	L11-30-NN	A2
60 ③	3	10	15	30	40	5	10	~	L11-60-NN	B2	

Items in Gray available by Special Order only.



Replacement Mounting Hardware

Accessory	Description	Switch Dimension Code	Pkg Qty	Catalog Number
	(1) set screw, (1) shaft clip, and (2) #8 M4 screws	A1, A2	2	L11-30-HDWR
	(1) set screw, (1) shaft clip, and (4) #8 M4 screws	B1, B2	4	L11-60-HDWR
	(8) HM10 25mm bolts, (8) HM10 nuts, (16) M10 washers	F1	1	L11-HF-200-4U
	(8) HM12 30mm bolts, (8) HM12 nuts, (16) M12 washers	F2	1	L11-HF-400-4U
	(8) HM10 16mm bolts, (8) HM10 washers	F6	1	L11-HF-250-3BDU
	(8) HM8 16mm bolts, (8) HM8 washers, (6) HM10 35mm bolts, (6) M10 nuts, (12) M10 washers	F7	1	L11-HF-400-3BU
	(8) HM12 30mm bolts, (8) HM12 washers	F8, F9	1	L11-HF-800-3U

① Time delay fuses may be required to utilize the disconnect switch at its maximum horsepower rating.

② 30A UL-rated device has lthe of 40 A per IEC.

③ 60A UL-rated device has lthe of 80A per IEC.

④ To order a 4th pole module for 30A or 60A switches with fuse status indicator, add an "S" to the end of the catalog number. For example, L11-30-NC changes to L11-30-NCS. Not available on J100...J600, or L800 devices. Price adder applies.