

MOTOR CONTROLS



FUSIBLE AND NON-FUSIBLE MOTOR STARTERS FCXLS, NFCXLS SERIES

DESCRIPTION

Fusible and Non-Fusible combination controls for your motor. These have UL/CSA manual motor disconnects with door safety interlocks. Industrial controls disconnects are load make, load break, UL listed for motor load switching duty. Starter and overload relay complete with precision ambient compensated heaters and differential single phasing protection.

NEW!



FCXLS7K-2A-0-M4-HOA-PL



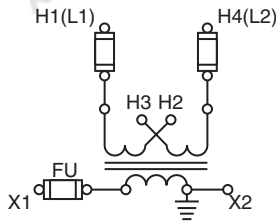
FEATURES

- NEMA 1 or NEMA 12/4 enclosure
- Space and drilling for fused control circuit transformer
- HOA switch
- Pilot light
- Door safety interlocks
- 24V or 120V coil voltage
- UL File #E90628

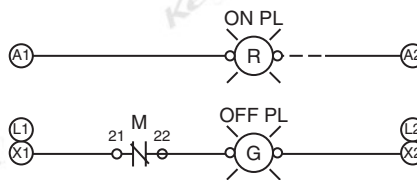


WIRING

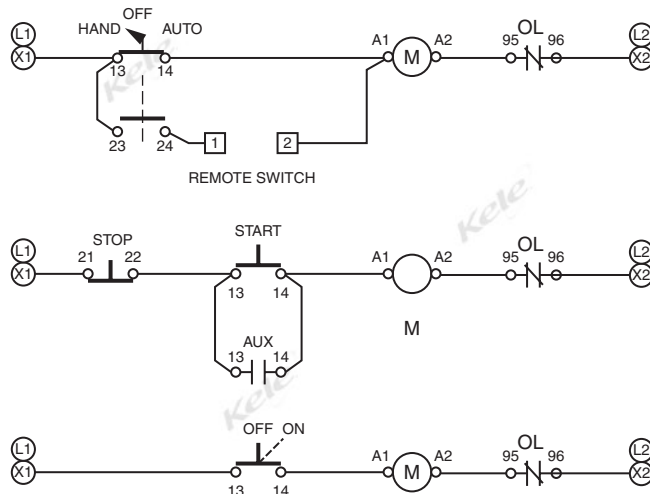
TRANSFORMER



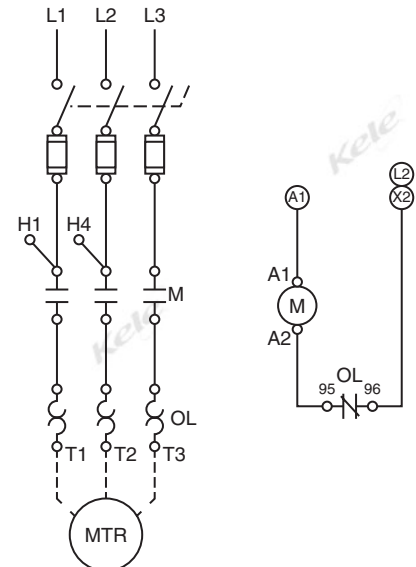
PILOT LIGHTS



CONTROL CIRCUIT



FUSIBLE COMBINATION



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FUSIBLE CONTROL TRANSFORMERS

Model	Primary Volts	Secondary Volts	Continuous VA	Contactors to use with	Height	Width	Depth
B050MBT713RK	208V, 230V, 460V	115V, 24V	50VA	LS07,4,7,17,27,37, LS05,4K,7K,11K,18K	3.25" (83mm)	3.0" (76mm)	3.93" (100mm)
B100MBT713RK			100VA	LS47,57,77,87,107, LS22K,30K,37K,45K, LS55K	3.62" (92mm)	3.75" (95mm)	4.55" (76mm)
B150MBT713RK			150VA	LS177, LS75K LS90K(3P)	4.37" (111mm)	3.75" (95mm)	4.55" (76mm)
B200MBT713RK			200VA	LS247 LS110K, 132K, 160K	4.5" (114mm)	4.5" (114mm)	5.18" (132mm)
B250MBT713RK			250VA	LS220K, 280K, 375K	5.25" (133mm)	4.5" (114mm)	5.18" (132mm)
B300MBT713RK			300VA	LS450K	5.12" (130mm)	5.25" (133mm)	6.12" (155mm)
B350MBT713RK			350VA		5.37" (137mm)	5.25" (133mm)	6.12" (155mm)

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ORDERING INFORMATION - FCXLS

Part Number	HP	Voltage	Coil Voltage	Enclosure NEMA Rating	Coil Inrush	Coil Holding Current	Overload Range	Fuse Block Rating	Dimensions in (cm)	Weight lb (kg)
FCXLS7K-1G-O-M01-HOA-PL	5	200/230	24 VAC	1	45 VA	6 VA	14.5-18	30A	12" x 10" x 6" (30.5 x 25.4 x 15.2)	18 (8.16)
FCXLS7K-1G-O-M4-HOA-PL				12/4						
FCXLS7K-1A-O-M01-HOA-PL			120 VAC	1						
FCXLS7K-1A-O-M4-HOA-PL				12/4						
FCXLS7K-2G-O-M01-HOA-PL	10	460	24 VAC	1	45 VA	6 VA	14.5-18 Amps	30A	12" x 10" x 6" (30.5 x 25.4 x 15.2)	18 (8.16)
FCXLS7K-2G-O-M4-HOA-PL				12/4						
FCXLS7K-2A-O-M01-HOA-PL			120 VAC	1						
FCXLS7K-2A-O-M4-HOA-PL				12/4						
FCXLS11K-1G-ON-M01-HOA-PL	7.5	230	24 VAC	1	88 VA	9 VA	21-26 Amps	60A	16" x 12" x 8" (40.6 x 30.5 x 20.3)	18 (8.16)
FCXLS11K-1G-ON-M4-HOA-PL				12/4						
FCXLS11K-1A-ON-M01-HOA-PL			120 VAC	1						
FCXLS11K-1A-ON-M4-HOA-PL				12/4						
FCXLS11K-2G-ON-M01-HOA-PL	15	460	24 VAC	1	88 VA	9 VA	21-26 Amps	30A	12" x 10" x 6" (30.5 x 25.4 x 15.2)	18 (8.16)
FCXLS11K-2G-ON-M4-HOA-PL				12/4						18 (8.16)
FCXLS11K-2A-ON-M01-HOA-PL			120 VAC	1						18 (8.16)
FCXLS11K-2A-ON-M4-HOA-PL				12/4						18 (8.16)
FCXLS15K-1G-Q-M01-HOA-PL	10	200	24 VAC	1	88 VA	9 VA	30-40 Amps	60A	16" x 12" x 8" (40.6 x 30.5 x 20.3)	27 (12.2)
FCXLS15K-1G-Q-M4-HOA-PL				12/4						
FCXLS15K-1A-Q-M01-HOA-PL			120 VAC	1						
FCXLS15K-1A-Q-M4-HOA-PL				12/4						
FCXLS15K-2G-Q-M01-HOA-PL	10	230	24 VAC	1	88 VA	9 VA	30-40 Amps	60A	16" x 12" x 8" (40.6 x 30.5 x 20.3)	27 (12.2)
FCXLS15K-2G-Q-M4-HOA-PL				12/4						
FCXLS15K-2A-Q-M01-HOA-PL			120 VAC	1						
FCXLS15K-2A-Q-M4-HOA-PL				12/4						
FCXLS15K-3G-Q-M01-HOA-PL	20	460	24 VAC	1	88 VA	9 VA	30-40 Amps	60A	16" x 12" x 8" (40.6 x 30.5 x 20.3)	27 (12.2)
FCXLS15K-3G-Q-M4-HOA-PL				12/4						
FCXLS15K-3A-Q-M01-HOA-PL			120 VAC	1						
FCXLS15K-3A-Q-M4-HOA-PL				12/4						
FCXLS22K-1G-RN-M01-HOA-PL	15	200/230	24 VAC	1	191 VA	17 VA	54-65 Amps	100A	20" x 16" x 8" (50.8 x 40.6 x 20.3)	41 (18.6)
FCXLS22K-1G-RN-M4-HOA-PL				12/4						
FCXLS22K-1A-RN-M01-HOA-PL			120 VAC	1						
FCXLS22K-1A-RN-M4-HOA-PL				12/4						
FCXLS22K-2G-QN-M01-HOA-PL	30	460	24 VAC	1	191 VA	17 VA	42-55 Amps	60A	20" x 16" x 8" (50.8 x 40.6 x 20.3)	41 (18.6)
FCXLS22K-2G-QN-M4-HOA-PL				12/4						
FCXLS22K-2A-QN-M01-HOA-PL			120 VAC	1						
FCXLS22K-2A-QN-M4-HOA-PL				12/4						
FCXLS37K-1G-SN-M01-HOA-PL	20/25	200/230	24 VAC	1	191 VA	17 VA	64-82 Amps	100A	20" x 16" x 8" (50.8 x 40.6 x 20.3)	42 (19.1)
FCXLS37K-1G-SN-M4-HOA-PL				12/4						
FCXLS37K-1A-SN-M01-HOA-PL			120 VAC	1						
FCXLS37K-1A-SN-M4-HOA-PL				12/4						
FCXLS37K-2G-SN-M01-HOA-PL	50	460	24 VAC	1	191 VA	17 VA	64-82 Amps	100A	20" x 16" x 8" (50.8 x 40.6 x 20.3)	42 (19.1)
FCXLS37K-2G-SN-M4-HOA-PL				12/4						
FCXLS37K-2A-SN-M01-HOA-PL			120 VAC	1						
FCXLS37K-2A-SN-M4-HOA-PL				12/4						
FCXLS45K-1G-TM-M01-HOA-PL	25/30	200/230	24 VAC	1	191 VA	17 VA	78-97 Amps	100A	20" x 16" x 8" (50.8 x 40.6 x 20.3)	44 (20)
FCXLS45K-1G-TM-M4-HOA-PL				12/4						
FCXLS45K-1A-TM-M01-HOA-PL			120 VAC	1						
FCXLS45K-1A-TM-M4-HOA-PL				12/4						
FCXLS45K-2G-TM-M01-HOA-PL	60	460	24 VAC	1	191 VA	17 VA	78-97 Amps	100A	20" x 16" x 8" (50.8 x 40.6 x 20.3)	44 (20)
FCXLS45K-2G-TM-M4-HOA-PL				12/4						
FCXLS45K-2A-TM-M01-HOA-PL			120 VAC	1						
FCXLS45K-2A-TM-M4-HOA-PL				12/4						
FCXLS55K-1G-TN-M01-HOA-PL	40	230	24 VAC	1	191 VA	17 VA	90-110 Amps	200A	30" x 24" x 8" (76.2 x 61 x 20.3)	88 (40)
FCXLS55K-1G-TN-M4-HOA-PL				12/4						
FCXLS55K-1A-TN-M01-HOA-PL			120 VAC	1						
FCXLS55K-1A-TN-M4-HOA-PL				12/4						
FCXLS55K-2G-TN-M01-HOA-PL	75	460	24 VAC	1	191 VA	17 VA	90-110 Amps	200A	30" x 24" x 8" (76.2 x 61 x 20.3)	88 (40)
FCXLS55K-2G-TN-M4-HOA-PL				12/4						
FCXLS55K-2A-TN-M01-HOA-PL			120 VAC	1						
FCXLS55K-2A-TN-M4-HOA-PL				12/4						
FCXLS75K-1G-TT-M01-HOA-PL	40/50	200/230	24 VAC	1	400 VA	32 VA	140-190 Amps	200A	36" x 24" x 10" (91.4 x 61 x 25.4)	124 (56.2)
FCXLS75K-1G-TT-M4-HOA-PL				12/4						
FCXLS75K-1A-TT-M01-HOA-PL			120 VAC	1						
FCXLS75K-1A-TT-M4-HOA-PL				12/4						
FCXLS75K-2G-TT-M01-HOA-PL	100	460	24 VAC	1	400 VA	32 VA	140-190 Amps	200A	36" x 24" x 10" (91.4 x 61 x 25.4)	124 (56.2)
FCXLS75K-2G-TT-M4-HOA-PL				12/4						
FCXLS75K-2A-TT-M01-HOA-PL			120 VAC	1						
FCXLS75K-2A-TT-M4-HOA-PL				12/4						

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ORDERING INFORMATION - NFCXLS									
Part Number	HP	Voltage	Coil Voltage	Enclosure NEMA Rating	Coil Inrush	Coil Holding Current	Overload Range	Dimensions in (cm)	Weight lb (kg)
NFCXLS7K-1G-O-M01-HOA-PL	5	200/230	24 VAC	1	45 VA	6 VA	14.5-18 Amps	12" x 10" x 6" (30.5 x 25.4 x 15.2)	17 (7.7)
NFCXLS7K-1G-O-M4-HOA-PL				12/4					
NFCXLS7K-1A-O-M01-HOA-PL			120 VAC	1					
NFCXLS7K-1A-O-M4-HOA-PL				12/4					
NFCXLS7K-2G-O-M01-HOA-PL	10	460	24 VAC	1	45 VA	6 VA	14.5-18 Amps	12" x 10" x 6" (30.5 x 25.4 x 15.2)	17 (7.7)
NFCXLS7K-2G-O-M4-HOA-PL				12/4					
NFCXLS7K-2A-O-M01-HOA-PL			120 VAC	1					
NFCXLS7K-2A-O-M4-HOA-PL				12/4					
NFCXLS11K-1G-ON-M01-HOA-PL	7.5	230	24 VAC	1	88 VA	9 VA	21-26 Amps	12" x 10" x 6" (30.5 x 25.4 x 15.2)	17 (7.7)
NFCXLS11K-1G-ON-M4-HOA-PL				12/4					
NFCXLS11K-1A-ON-M01-HOA-PL			120 VAC	1					
NFCXLS11K-1A-ON-M4-HOA-PL				12/4					
NFCXLS11K-2G-ON-M01-HOA-PL	15	460	24 VAC	1	88 VA	9 VA	21-26 Amps	12" x 10" x 6" (30.5 x 25.4 x 15.2)	17 (7.7)
NFCXLS11K-2G-ON-M4-HOA-PL				12/4					
NFCXLS11K-2A-ON-M01-HOA-PL			120 VAC	1					
NFCXLS11K-2A-ON-M4-HOA-PL				12/4					
NFCXLS15K-1G-Q-M01-HOA-PL	10	200	24 VAC	1	88 VA	9 VA	30-40 Amps	12" x 10" x 6" (30.5 x 25.4 x 15.2)	18 (8.2)
NFCXLS15K-1G-Q-M4-HOA-PL				12/4					
NFCXLS15K-1A-Q-M01-HOA-PL			120 VAC	1					
NFCXLS15K-1A-Q-M4-HOA-PL				12/4					
NFCXLS15K-2G-Q-M01-HOA-PL	10	230	24 VAC	1	88 VA	9 VA	30-40 Amps	12" x 10" x 6" (30.5 x 25.4 x 15.2)	18 (8.2)
NFCXLS15K-2G-Q-M4-HOA-PL				12/4					
NFCXLS15K-2A-Q-M01-HOA-PL			120 VAC	1					
NFCXLS15K-2A-Q-M4-HOA-PL				12/4					
NFCXLS15K-3G-Q-M01-HOA-PL	20	460	24 VAC	1	88 VA	9 VA	30-40 Amps	12" x 10" x 6" (30.5 x 25.4 x 15.2)	18 (8.2)
NFCXLS15K-3G-Q-M4-HOA-PL				12/4					
NFCXLS15K-3A-Q-M01-HOA-PL			120 VAC	1					
NFCXLS15K-3A-Q-M4-HOA-PL				12/4					
NFCXLS22K-1G-RN-M01-HOA-PL	15	200/230	24 VAC	1	191 VA	17 VA	54-65 Amps	16" x 12" x 8" (40.6 x 30.5 x 20.3)	27 (12.2)
NFCXLS22K-1G-RN-M4-HOA-PL				12/4					
NFCXLS22K-1A-RN-M01-HOA-PL			120 VAC	1					
NFCXLS22K-1A-RN-M4-HOA-PL				12/4					
NFCXLS22K-2G-QN-M01-HOA-PL	30	460	24 VAC	1	191 VA	17 VA	42-55 Amps	16" x 12" x 8" (40.6 x 30.5 x 20.3)	27 (12.2)
NFCXLS22K-2G-QN-M4-HOA-PL				12/4					
NFCXLS22K-2A-QN-M01-HOA-PL			120 VAC	1					
NFCXLS22K-2A-QN-M4-HOA-PL				12/4					
NFCXLS37K-1G-SN-M01-HOA-PL	20/25	200/230	24 VAC	1	191 VA	17 VA	64-82 Amps	16" x 12" x 8" (40.6 x 30.5 x 20.3)	28 (12.7)
NFCXLS37K-1G-SN-M4-HOA-PL				12/4					
NFCXLS37K-1A-SN-M01-HOA-PL			120 VAC	1					
NFCXLS37K-1A-SN-M4-HOA-PL				12/4					
NFCXLS37K-2G-SN-M01-HOA-PL	50	460	24 VAC	1	191 VA	17 VA	64-82 Amps	16" x 12" x 8" (40.6 x 30.5 x 20.3)	28 (12.7)
NFCXLS37K-2G-SN-M4-HOA-PL				12/4					
NFCXLS37K-2A-SN-M01-HOA-PL			120 VAC	1					
NFCXLS37K-2A-SN-M4-HOA-PL				12/4					
NFCXLS45K-1G-TM-M01-HOA-PL	25/30	200/230	24 VAC	1	191 VA	17 VA	78-97 Amps	20" x 16" x 8" (50.8 x 40.6 x 20.3)	38 (17.2)
NFCXLS45K-1G-TM-M4-HOA-PL				12/4					
NFCXLS45K-1A-TM-M01-HOA-PL			120 VAC	1					
NFCXLS45K-1A-TM-M4-HOA-PL				12/4					
NFCXLS45K-2G-TM-M01-HOA-PL	60	460	24 VAC	1	191 VA	17 VA	78-97 Amps	20" x 16" x 8" (50.8 x 40.6 x 20.3)	38 (17.2)
NFCXLS45K-2G-TM-M4-HOA-PL				12/4					
NFCXLS45K-2A-TM-M01-HOA-PL			120 VAC	1					
NFCXLS45K-2A-TM-M4-HOA-PL				12/4					
NFCXLS55K-1G-TN-M01-HOA-PL	40	230	24 VAC	1	191 VA	17 VA	90-110 Amps	20" x 16" x 8" (50.8 x 40.6 x 20.3)	40 (18.1)
NFCXLS55K-1G-TN-M4-HOA-PL				12/4					
NFCXLS55K-1A-TN-M01-HOA-PL			120 VAC	1					
NFCXLS55K-1A-TN-M4-HOA-PL				12/4					
NFCXLS55K-2G-TN-M01-HOA-PL	75	460	24 VAC	1	191 VA	17 VA	90-110 Amps	20" x 16" x 8" (50.8 x 40.6 x 20.3)	40 (18.1)
NFCXLS55K-2G-TN-M4-HOA-PL				12/4					
NFCXLS55K-2A-TN-M01-HOA-PL			120 VAC	1					
NFCXLS55K-2A-TN-M4-HOA-PL				12/4					
NFCXLS75K-1G-TT-M01-HOA-PL	40/50	200/230	24 VAC	1	400 VA	32 VA	140-190 Amps	24" x 20" x 8" (60.1 x 50.8 x 20.3)	65 (29.4)
NFCXLS75K-1G-TT-M4-HOA-PL				12/4					
NFCXLS75K-1A-TT-M01-HOA-PL			120 VAC	1					
NFCXLS75K-1A-TT-M4-HOA-PL				12/4					
NFCXLS75K-2G-TT-M01-HOA-PL	100	460	24 VAC	1	400 VA	32 VA	140-190 Amps	24" x 20" x 8" (60.1 x 50.8 x 20.3)	65 (29.4)
NFCXLS75K-2G-TT-M4-HOA-PL				12/4					
NFCXLS75K-2A-TT-M01-HOA-PL			120 VAC	1					
NFCXLS75K-2A-TT-M4-HOA-PL				12/4					

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