



GV2 L14
+
LC1 D09●●
+
LXM 15LD21M3



GV2 L22
+
LC1 D32●●
+
LXM 15MD56N4

Applications

The combinations listed below can be used to create a complete motor starter unit comprising a circuit breaker, a contactor and a Lexium 15 servo drive.

The circuit breaker provides protection against accidental short-circuits, disconnection and, if necessary, isolation.

The contactor turns on and manages any safety features, as well as isolating the servo motor on stopping.

The servo drive controls the servo motor, provides protection against short-circuits between the servo drive and the servo motor and protects the motor cable against overloads. The overload protection is provided by the motor thermal protection of the servo drive.

Motor starters for Lexium 15 LP servo drives

Servo drive		Circuit breaker		Contactor
Reference	Nominal power	Reference	Rating	Reference (1) (2)
kW		A		
Single-phase supply voltage: 200...240 V ~ 50/60 Hz				
LXM 15LD13M3	0.9	GV2 L14	10	LC1 K0610●●
LXM 15LD21M3	1.2	GV2 L14	10	LC1 K0610●●
LXM 15LD28M3	1.2	GV2 L14	10	LC1 K0610●●
Three-phase supply voltage: 200...240 V ~ 50/60 Hz				
LXM 15LD13M3	1	GV2 L10	6.3	LC1 K0610●●
LXM 15LD21M3	2.1	GV2 L14	10	LC1 D09●●
LXM 15LD28M3	3.4	GV2 L16	14	LC1 D12●●
Three-phase supply voltage: 208...480 V ~ 50/60 Hz				
LXM 15LU60N4	1.1	GV2 L10	6.3	LC1 K0610●●
LXM 15LD10N4	2.1	GV2 L10	6.3	LC1 K0610●●
LXM 15LD17N4	4.3	GV2 L14	10	LC1 D09●●

Motor starters for Lexium 15 MP servo drives

Servo drive		Circuit breaker		Contactor
Reference	Nominal power	Reference	Rating	Reference ⁽¹⁾ ⁽²⁾
kW		A		
Three-phase supply voltage: 208...480 V ~ 50/60 Hz				
LXM 15MD28N4	5.7	GV2 L16	14	LC1 D12●●
LXM 15MD40N4	7.9	GV2 L22	25	LC1 D18●●
LXM 15MD56N4	4.3	GV2 L22	25	LC1 D32●●

Motor starters for Lexium 15 HP servo drives

Servo drive		Circuit breaker		Contactor
Reference	Nominal power	Reference	Rating	Reference (1) (2)
kW		A		
Three-phase supply voltage: 208...480 V ~ 50/60 Hz				
LXM 15HC11N4X	22.3	GV7 RS50	50	LC1 D50●●
LXM 15HC20N4X	42.5	GV7 RS100	100	LC1 D80●●

(1) Composition of contactors:

LC1 K06: 3 poles + 1 N/O auxiliary contact

LC1 D●●: 3 poles + 1 N/O auxiliary contact + 1 N/C auxiliary contact

(2) Replace ●● with the control circuit voltage reference given in the table below:

	Volts ~	24	48	110	220	230	240
LC1 K	50/60 Hz	B7	E7	F7	M7	P7	U7
	Volts ~	24	48	110	220/230	230	230/240
LC1 D	50 Hz	B5	E5	F5	M5	P5	U5
	60 Hz	B6	E6	F6	M6	–	U6
	50/60 Hz	B7	E7	F7	M7	P7	U7

For other voltages between 24 V and 660 V, or a DC control circuit, please consult your Regional Sales Office.

Protection of Lexium 15 LP servo drives using fuses

Servo drive		Fuse to be installed upstream	
Reference	Nominal power	Type	Current
	kW		A
Single-phase supply voltage: 200...240 V ~ 50/60 Hz			
LXM 15LD13M3	0.9	aT	10
LXM 15LD21M3	1.2	aT	10
LXM 15LD28M3	1.2	aT	10
Three-phase supply voltage: 200...240 V ~ 50/60 Hz			
LXM 15LD13M3	1	aT	6
LXM 15LD21M3	2.1	aT	10
LXM 15LD28M3	3.4	aT	16
Three-phase supply voltage: 208...480 V ~ 50/60 Hz			
LXM 15LU60N4	1.1	aT	6
LXM 15LD10N4	2.1	aT	6
LXM 15LD17N4	4.3	aT	10

Protection of Lexium 15 MP servo drives using fuses

Servo drive		Fuse to be installed upstream	
Reference	Nominal power	Type	Current
	kW		A
Three-phase supply voltage: 208...480 V ~ 50/60 Hz			
LXM 15MD28N4	5.7	aM	16
LXM 15MD40N4	7.9	aM	20
LXM 15MD56N4	11.4	aM	25

Protection of Lexium 15 HP servo drives using fuses

Servo drive		Fuse to be installed upstream	
Reference	Nominal power	Type	Current
	kW		A
Three-phase supply voltage: 208...480 V ~ 50/60 Hz			
LXM 15HC11N4X	22.3	aM	40
LXM 15HC20N4X	42.5	aM	63