

TeSys Control

Ultra motor starters - Power bases

Product references



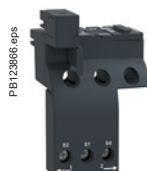
1 direction:
LUB12, LUB32, LUB38



1 direction:
LUB120, LUB320, LUB380
*LU9BN11: Terminal block
for embedded auxiliary
contacts to be ordered
separately.



2 direction:
LU2B12●●, LU2B32●●,
LU2B38●●



LU9MR1C



LU6MB0●●



LU2MB0●●



LU9M1



LU9MR1

Power bases

Ultra starters are composed with separate elements: power component + control units + auxiliary components.

The power base includes the electro mechanical parts. It is selected according to:

- Motor power to be handled
- Number of direction of rotation to be controlled: 1 or 2
- Type of control to be achieved: Basic or Advanced.

Basic control

1- direction rotation control
2 - direction rotation control
Overload + Short circuit protection
Main power monitoring
Status signaling contacts

Advanced control

Functions of basic control
+ Digital display of electrical values
+ Overload alarms
+ Network/bus communication

Function	Max motor standard power (400 V) kW	Lip_in (400 V) A	References	
			Basic ctrl	Advanced ctrl
	5.5	12	LUB12	LUB120
1-direction rotation	15	32	LUB32	LUB320
	18.5	38	LUB38	LUB380
	5.5	12	LU2B12●● ⁽¹⁾	LUB120 + reverser block ass.
2-direction rotation	15	32	LU2B32●● ⁽¹⁾	LUB320 + reverser block ass.
	18.5	38	LU2B38●● ^{(1) (2)}	LUB380 + reverser block ass.

⁽¹⁾ Replace the 2 dots by the coil voltage code below – AC is 50-60 Hz.

⁽²⁾ With BL or FU code only.

Coil voltage (V)	24---	24~	48...72 --- or ~	110...220 --- and 110...240~
Code	BL	B	ES	FU

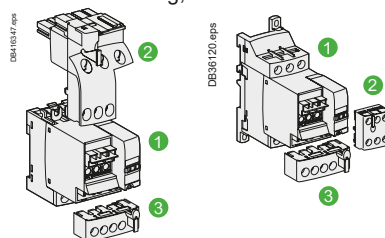
Please check the availability of your variant in the index page A4/42. The SEARCH function of your viewer can be used.

Reverser blocks - assemblies

A reverser block assembly has to be added to the power base (LUB120 to 380) to build an 'Advanced control' with '2-direction of rotation' Ultra starter.

Reverser blocks with 2 mounting possibilities:

- vertical mounting– mounted aspect: refer to LU2B12, 32, 38
- side mounting, on a Din rail.



Vertical mounting Side mounting

Blocks	References	
	Vertical mounting	Side mounting
1 Reverser block	LU2MB0●● ⁽¹⁾	LU6MB0●● ⁽¹⁾
2 Aux. contacts connector	LU9MR1C	LU9MR1
3 Coil supply connector	LU9M1	LU9M1

⁽¹⁾ Replace the 2 dots by the coil voltage code below – AC is 50-60 Hz.

Coil voltage (V)	24---	24~	48...72 --- or ~	110...220 --- and 110...240~
Code	BL	B	ES	FU

Main technical characteristics

Power bases

1-direction power base overall dimensions (HxWxD) : 154 x 45 x 126 mm
2-direction power base (assembly with vertical mounting reverser block) overall dimensions (HxWxD): 224 x 45 x 126 mm
Power bases are delivered with protective blanking plates.

3 power poles, for connections of a 1-phase or 3-phase motor
Screw clamp power terminals, for up to 2 x 6 mm² conductors
Screw clamp control terminals, for up to 2 x 1.5 mm² conductors

LUB12,32,38 imbedded terminals:

- coil supply,
- NO (13-14) contact (for control push button)
- NC (21-22) contact (for control push button).

Additional signaling contact modules provide more possibilities.

Reversing assemblies

LU2MB0, LU6MB0:

3 power poles, for connections of a 1-phase or 3-phase motor, screw clamp power terminals, for up to 2 x 6 mm² conductors
LU9 connectors: screw clamp control terminals, for up to 2 x 1.5 mm² conductors

LU2MB0●●, LU6MB0●● provide terminals for power circuits.
LU9MR1C, LU9MR1 provide signalling contact terminals (82-81-84) that indicate the direction of rotation.
LU9M1 provides coil supply terminals (A2-A1-A3) and 2 NO contact terminals (A1-B1, A3-B3) for direction control.

Characteristics:
pages A4/44 to A4/46, A4/54

Curves:
pages A4/56 to A4/61

Dimensions:
pages A4/62 and A4/63

Schemes:
pages A4/64 to A4/76