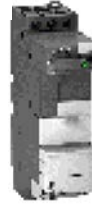


Table 18.80: Marking Accessories

Description	Sold in units of:	Catalog Number
Marker holder, snap-in	100	LA7D903
Main overload selection: TeSys D AC and DC Contactors, page 18-7 and TeSys™ F AC and DC Contactors, page 18-11		
TeSys D dimensions: TeSys™ D Open Starter Dimensions, page 18-57 and TeSys™ D Thermal Overload Relay Dimensions, page 18-59		
TeSys F dimensions: TeSys™ F Contactors, Dimensions, page 18-53, TeSys™ F Overload Relay Dimensions, page 18-61		
TeSys T: see TeSys™ T Motor Management System, page 16-102		

TeSys™ U Motor Starter

1 Power Base



2 Control Unit



3 Function Modules
Auxiliary Contacts

+

= TeSys U
Motor Starter

The TeSys U motor starter is integrated, making it simple to choose and install. It consists of a control unit snapped in a power base. TeSys U can be configured to fit specific applications as well. Optional accessories include a reverser, a current limiter, predictive maintenance options, and communication options. For detailed information about TeSys U, visit our website.

Selecting TeSys U Motor Starters in Three Steps

Table 18.81: Step 1. Select Power Base (Only two different bases up to 32 A)



Control Connection	Max. Current (A)	Three Phase (HP max.)				Single Phase (HP max.)		Self-Protected Power Base
		200/208 V	220/240 V	460 V	575/600 V	120 V	240 V	Catalog Number
With non-removable screw terminations	12	3	3	7.5	10	1.5	2	LUB12
	32	10	10	20	25	2	5	LUB32
Without screw terminations	12	3	3	7.5	10	1.5	2	LUB120[1]
	32	10	10	20	25	2	5	LUB320[1]

Table 18.82: Step 2. Select Control Unit [2]

Setting Range (A)	Standard 3-phase Class 10 trip [3]	Advanced 3-phase Class 10 trip [3]	Advanced single-phase Class 10 trip [3]	Advanced 3-phase Class 20 trip [3]
0.15–0.6	LUCAX6●●	LUCBX6●●	LUCXC6●●	LUCDX6●●
0.3–1.4	LUCA1X●●	LUCB1X●●	LUCX1X●●	LUCD1X●●
1.25–5.0	LUCA05●●	LUCB05●●	LUCX05●●	LUCD05●●
3–12	LUCA12●●	LUCB12●●	LUCX12●●	LUCD12●●
4.5–18	LUCA18●●	LUCB18●●	LUCX18●●	LUCD18●●
8–32	LUCA32●●	LUCB32●●	LUCX32●●	LUCD32●●

Table 18.83: Voltage Codes

Volts	24	48–72	110–240
DC	BL[4]	—	—
AC	B	—	—
DC or AC	—	ES[5]	FU

Table 18.84: Step 3. Select Auxiliary Contacts (optional)

Terminals	Contact Indicates	Contact Normal Status	Contact State for Each Mode[6]							Catalog Number
			Off	Ready	Run	Short Circuit Trip	Overload Trip (Manual Reset)	Overload Trip (Remote/Auto Reset)[7]		
Auxiliary Contact Blocks										
Screw	Ready condition	N.O.	O	I	I	O	O	I	I	LUA1C11
	Fault condition	N.C.	I	I	I	O	O	I	I	
Screw	Ready condition	N.O.	O	I	I	O	O	I	I	LUA1C20
	Fault condition	N.O.	O	O	O	I	I	O	O	
Auxiliary Contact Function Modules										
Screw	Pole state	2 N.O.	O	O	I	O	O			LUFN20
	Pole state	1 N.O. and 1 N.C.	O I	O I	I O	O I	O I			LUFN11
	Pole state	2 N.C.	1	I	O	I	I			LUFN02

Table 18.85: Accessories

Accessory	Quick Description	For details & selection, see:
Current limiter	Increases the breaking capacity to 130 kA @ 460 V and to 65 kA @ 575 V	Line Phase Barrier, Reverser, page 18-25
Reverser	Stacked or side mounted (LU6MB0●●● only)	Line Phase Barrier, Reverser, page 18-25
Line phase barrier	Required for use as a self-protected combination starter (UL 508 Type E)	Line Phase Barrier, Reverser, page 18-25
Multifunction control unit	Has functions for monitoring and predictive maintenance	Line Phase Barrier, Reverser, page 18-25
Function modules	Fault differentiation, thermal overload, motor load indication	Line Phase Barrier, Reverser, page 18-25

[1] For use with reversing modules or communication modules with prewired connector

[2] The control unit contains solid-state overload relay and control power source for TeSys U. For more details on the different control units, their functions, and placement on the power base, see Power Base and Plug-in Accessories, page 18-24

[3] Complete the catalog number by adding appropriate code from Table 18.83 Voltage Codes, page 18-23 (for example, LUCAX6FU).

[4] DC voltage with range of 0.90 to 1.10 of nominal.

[5] 48–72 Vdc; 48 Vac

[6] I indicates closed contact; O indicates open contact

[7] Requires multifunction or advanced control unit plus fault differentiation module LUFDA10.