

TeSys U

Let efficiency and simplicity be your drive

Motor control & protection



Schneider
Electric

1

product
solution



TeSys U



or

2

products
solution



TeSys GV2P



TeSys D

or

3

products
solution



TeSys GV2 L



TeSys D



TeSys LRD

Let the TeSys U motor starter be your drive!

The TeSys U motor starter succeeds in combining all functions (thermal & magnetic protection, switching, and contactor) in a single product. This unique design guarantees total coordination between protection and contactor functions (according to IEC 60947-6-2).



The **TeSys U** covers main motor applications (Direct On Line, reversers, drive protection) from **0 to 15 kW** (0 to 32 A) ensuring a short circuit **breaking capacity of 50 kA** with perfect coordination.



The **TeSys U** electronic trip units cover most of your needs with a very few reference numbers:

- > to **easily adapt** your motor starter to different control circuit types (24 V DC, 24 V AC, 110-240 V AC).
- > to directly connect your motor starter to a **communication network** (6 different protocols available).

If your application requires only basic functions...

Let the TeSys U simplify your panels!



Control Unit

Performs all the electrical protection functions.

- > 6 references to cover main applications from 0 to 32 A
- > Overload & short circuit protection
- > Earth fault protection.



Contactor or Auxiliary Contacts

For additional remote indication contacts.



Breaker auxiliary contacts (trip status)

To supervise motor starter status.

Power Base

For assembling components, ON/OFF operation and resetting.

- > 2 power bases: up to 12 A and up to 32 A
- > Direct starter and reversing starter models.



Unique compactness

The TeSys is the smallest motor starter up to 15 kW in the world.

- > **Space savings** in the panel
- > Assembly and wiring **times reduced**
- > **Less cabling** = Less risk of errors.



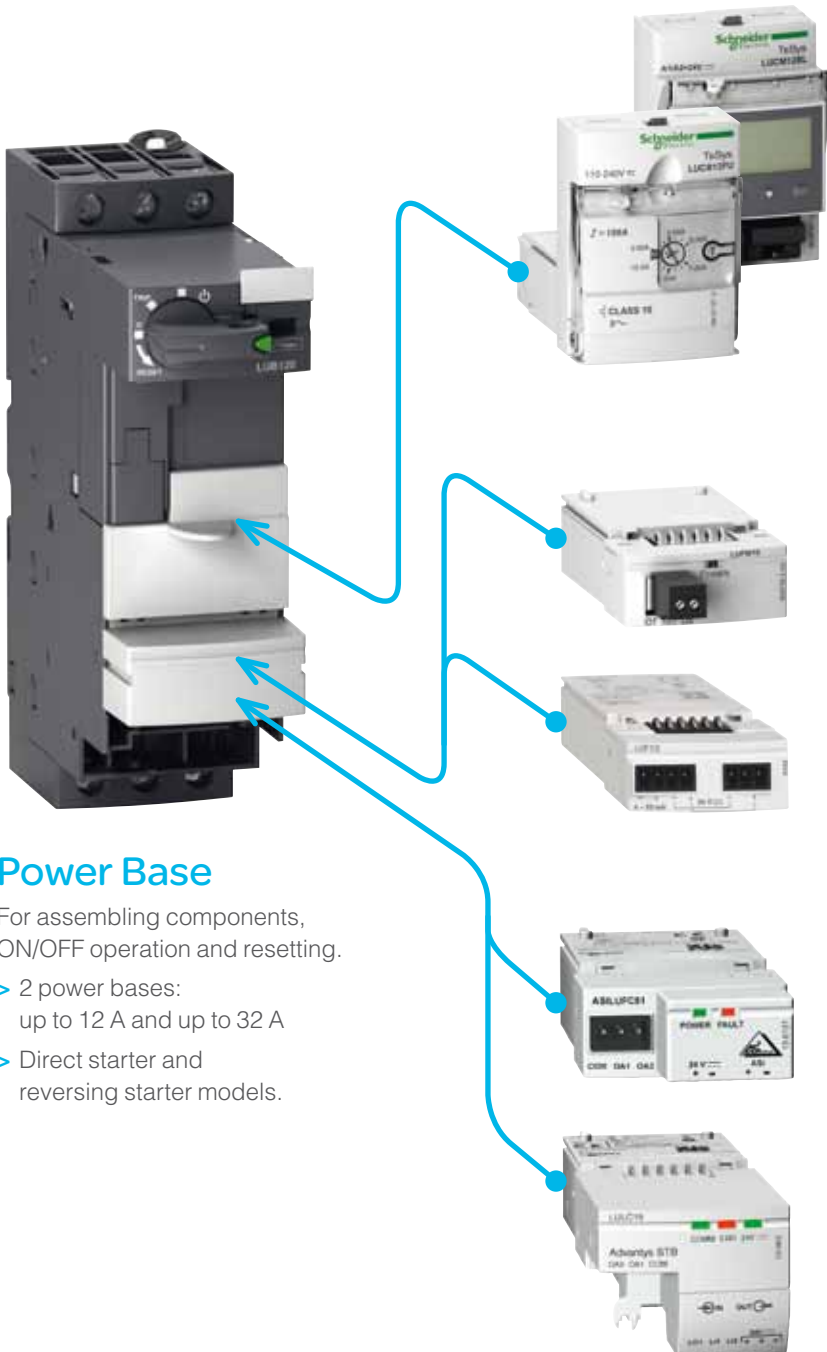
Maximum flexibility

The TeSys proposes a unique concept in flexibility.

- > A single control unit provides:
 - **wide range** of **current settings**
 - **wide range** of **control voltages**
- > Modify your panel up to the last minute thanks to a **full plug & play structure**.

If you look for more advanced functions...

Let the TeSys U build the solution panels you need!



Control Unit

Performs all the electrical protection functions to cover main applications from 0 to 32 A.

Some of these also provide advanced measurement, alarm and display functions.

4 simple function modules

- > Thermal overload alarm
- > Indication of motor load
- > Thermal overload signalling and manual reset
- > Thermal overloaded signalling and automatic or remote reset.

6 communication modules

- > AS-Interface
- > Profibus DP
- > CANopen
- > DeviceNet
- > Advantys STB
- > Modbus.

Power Base

For assembling components, ON/OFF operation and resetting.

- > 2 power bases:
up to 12 A and up to 32 A
- > Direct starter and reversing starter models.



Smart solution

The TeSys U offers a complete, high-performance range of remote monitoring/control solutions to provide you with the information you need.

- > **Direct access** to detailed information for every motor starter of your installation
- > Can integrate **numerous existing communication systems**.



Easy to maintain

Maintainability of the motor starter has never been so easy with the TeSys U.

- > The TeSys U plug & play structure helps you to perform **quick maintenance**
- > **High availability** of the installation thanks to the fast adaptation of the TeSys U electronic control unit.

Quick Selection guide

> Basic functions



TeSys Power Base		Standard Control Unit		Auxiliary contacts	
Power Base 0.3 to 5.5 kW (0 to 12 A)	Ref. LUB12	Thermal + Magnetic protection Class 10 (LUCA) 0.15 to 0.6 A 0.35 to 1.4 A 1.25 to 5 A 3 to 12 A	Ref. LUCA6*** LUCA1X** LUCA05** LUCA12** LUCA18** LUCA32**	Contactor Status Signalling NO+NC contacts NC+NC contacts	Ref. LUFN11 LUFN02 LUFN20
7.5 to 15 kW (12 to 32 A)	LUB32	4.5 to 18 A 8 to 32 A	LUCL6** LUCL1X** LUCL05** LUCL12** LUCL18** LUCL32**	NO+NO contacts Protection Status & Trip Signalling NC+NC contacts NO+NC contacts NC+NC contacts (side mounted)	LUA1C20 LUA1C11 LUA8E20
Reversing Power Base 0.3 to 5.5 kW (0 to 12 A)	Ref. LU2B12**	Magnetic protection for drive protection (LUCL) 0.15 to 0.6 A 0.35 to 1.4 A 1.25 to 5 A 3 to 12 A	ref. LUCL6** LUCL1X** LUCL05** LUCL12** LUCL18** LUCL32**		
7.5 to 15 kW (12 to 32 A)	LU2B32**	4.5 to 18 A 8 to 32 A			

> Advanced functions



TeSys Power Base		Advanced Control Unit		Communication module	
Power Base 0.3 to 5.5 kW (0 to 12 A)	Ref. LUB120	Class 10 (LUCB) 0.15 to 0.6 A 0.35 to 1.4 A 1.25 to 5 A 3 to 12 A	Ref. LUCB6*** LUCB1X** LUCB05** LUCB12** LUCB18** LUCB32**	24V DC Modbus AS-Interface	Ref. LULC033 ASILUFC51
7.5 to 15 kW (12 to 32 A)	LUB320	4.5 to 18 A 8 to 32 A	LUCM6BL LUCM1XBL LUCM05BL LUCM12BL LUCM18BL LUCM32BL	Profibus DP CANopen DeviceNet Advantys STB	LULC07 LULC08 LULC09 LULC15
Reversing Power Base 0.3 to 5.5 kW (0 to 12 A)	Ref. LU2B12**	Class 5 to 30 (LUCM) 0.15 to 0.6 A 0.35 to 1.4 A 1.25 to 5 A 3 to 12 A	Ref. LUCM6BL LUCM1XBL LUCM05BL LUCM12BL LUCM18BL LUCM32BL		
7.5 to 15 kW (12 to 32 A)	LU2B32**	4.5 to 18 A 8 to 32 A			

* "***" To add control voltage:

BL = 24 V DC	ES = 48... 72 V AC / 48 V DC
B = 24 V AC	FU = 110... 240 V AC / DC

> To order your complete solution look through the "Control and Protection" catalogue on our website (ref. MKTED210011EN).

Make the most of your energy™

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Printed on ecological paper

Publishing: Schneider Electric Industries SAS
Design - Layout: SEDOC