

TeSys Control

Ultra motor management controller



TeSys Active

T motor management system



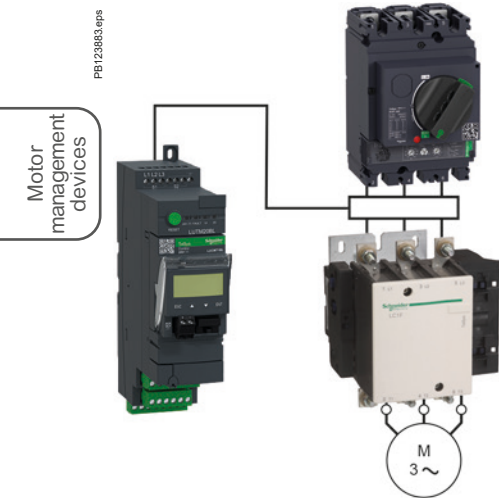
TeSys Ultra Motor management controller		
Type of product	Range	Pages
TeSys Ultra Motor management controller		C1/2
Current transformers for TeSys Ultra Motor management controller	From 30 to 800 A	C1/2
Type 2 coordination table for assemblies of: ■ circuit breaker + contactor + TeSys Ultra Motor management controller + current transformer ■ fuses + contactor + TeSys Ultra Motor management controller + current transformer		C1/3
TeSys T Motor management system		
TeSys T Motor management controllers with Modbus, or CANopen, Devicenet, Profibus, Ethernet TCP/IP communication port		C1/4
Extension modules for TeSys T Motor management system		C1/5
HMI terminal and cables		C1/5
Accessories		C1/6
Coordination tables: ■ fuses (NFC, DIN type aM) + contactor + TeSys T + current transformers ■ magnetic circuit breaker + contactor + TeSys T + current transformers		C1/8

Motor
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Product references



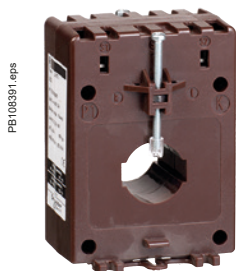
LUTM + LUCMT1BL + LUTC●●



LUTM10BL



LUCMT1BL



LUTC●●●●

References

Control bases (auxiliary supply voltage \approx 24 V)

Connection	Control	For use with contactor	Reference	Weight kg
Screws	Screws	LC1D●●	LUTM10BL	0.800
		LC1F●●●	LUTM20BL	0.800

Control units

Description	Class	For motor type	Setting range	Reference	Weight kg
Advanced	10	3-phase	0.35...1.05	LUCBT1BL	0.140
	20	3-phase	0.35...1.05	LUCDT1BL	0.140
Multifunction	5 to 30	3-phase	0.35...1.05	LUCMT1BL	0.175

Current transformers

Operating current		Reference	Weight kg
Primary	Secondary		
50	1	LUTC0501	0.330
100	1	LUTC1001	0.450
200	1	LUTC2001	0.590
400	1	LUTC4001	0.870
800	1	LUTC8001	1.210

Function modules and communication modules

The Ultra Motor management controller is compatible with the modules listed below:

- Thermal overload alarm module LUFW10,
- Motor load indication module LUFV2,
- Communication modules:
 - Modbus (LULC033),
 - CANopen (LULC08),
 - DeviceNet (LULC09),
 - Advantys STB (LULC15).

Note: Communication modules LULC07 (Profibus DP), ASILUFC5 and ASILUFC51 (AS-Interface) are not compatible with the Ultra controller. Module LUFW10 is only compatible with control units LUCBT1BL and LUCDT1BL.

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Combinations providing type 2 coordination

With Circuit breaker

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 400/415 V		Circuit breaker			Contactor	Ultra controller	Current transformers
PkW	IeA	Reference	Rating A	I _{rm} ⁽¹⁾ A	Reference ⁽²⁾	Reference	Reference
18.5	35	GV3L40	40	560	LC1D50A	LUTM + LUC●	3 x LUTC0501
22	41	GV3L50	50	700	LC1D50A	LUTM + LUC●	3 x LUTC1001
30	55	GV3L65	65	910	LC1D65A	LUTM + LUC●	3 x LUTC1001
37	66	GV4L80	80	1040	LC1D80	LUTM + LUC●	3 x LUTC1001
45	80	NSX100HMA	100	1300	LC1D95	LUTM + LUC●	3 x LUTC1001
55	97	NSX160HMA	150	1350	LC1D115	LUTM + LUC●	3 x LUTC2001
75	132	NSX160HMA	150	1800	LC1D150	LUTM + LUC●	3 x LUTC2001
90	160	NSX250HMA	220	2200	LC1F185	LUTM + LUC●	3 x LUTC2001
110	195	NSX250HMA	220	2640	LC1F225	LUTM + LUC●	3 x LUTC4001
132	230	NSX400HMA	320	3200	LC1F265	LUTM + LUC●	3 x LUTC4001
160	280	NSX400HMA	320	4160	LC1F330	LUTM + LUC●	3 x LUTC4001
200	350	NSX630HMA	500	5000	LC1F400	LUTM + LUC●	3 x LUTC4001
220	385	NSX630HMA	500	5500	LC1F400	LUTM + LUC●	3 x LUTC4001
250	430	NSX630HMA	500	6000	LC1F500	LUTM + LUC●	3 x LUTC8001

With fuses

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 400/415 V		Switch-disconnector fuse	aM fuses		Contactor	Ultra controller	Current transformers
PkW	IeA	Reference	Size	Rating A	Reference ⁽²⁾	Reference	Reference
18.5	35	GS●F	14 x 51	40	LC1D40A	LUTM + LUC●	3 x LUTC0501
22	41	GS●J	22 x 58	50	LC1D50A	LUTM + LUC●	3 x LUTC1001
30	55	GS●J	22 x 58	80	LC1D80	LUTM + LUC●	3 x LUTC1001
37	66	GS●J	22 x 58	100	LC1D80	LUTM + LUC●	3 x LUTC1001
45	80	GS●J	22 x 58	100	LC1D95	LUTM + LUC●	3 x LUTC1001
55	97	GS●L	T0	125	LC1D115	LUTM + LUC●	3 x LUTC2001
75	132	GS●L	T0	160	LC1D150	LUTM + LUC●	3 x LUTC2001
90	160	GS●N	T1	200	LC1F185	LUTM + LUC●	3 x LUTC2001
110	195	GS●N	T1	250	LC1F225	LUTM + LUC●	3 x LUTC4001
132	230	GS●QQ	T2	315	LC1F265	LUTM + LUC●	3 x LUTC4001
160	280	GS●QQ	T2	400	LC1F330	LUTM + LUC●	3 x LUTC4001
200	350	GS2S	T3	500	LC1F400	LUTM + LUC●	3 x LUTC4001
220	385	GS2S	T3	500	LC1F400	LUTM + LUC●	3 x LUTC4001
250	430	GS2S	T3	500	LC1F500	LUTM + LUC●	3 x LUTC8001
315	540	GS2S	T3	630	LC1F630	LUTM + LUC●	3 x LUTC8001

(1) I_{rm}: setting current of the magnetic trip.

(2) For reversing operation, replace the prefix LC1 with LC2.

Motor management devices



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Product references

Motor management devices



PB121434.eps

LTMR08MBD



PB121440.eps

LTMR08CBD



PB121441.eps

LTMR08DBD



PB121442.eps

LTMR08PBD



PB121443.eps

LTMR08EBD

Controllers

Setting range	Control voltage	Current range	Reference
A	V	A	
For Modbus			
8	$\overline{\sim}$ 24 \sim 100...240	0.4...8	LTMR08MBD
27	$\overline{\sim}$ 24 \sim 100...240	1.35...27	LTMR27MBD
100	$\overline{\sim}$ 24 \sim 100...240	5...100	LTMR100MBD
For CANopen			
8	$\overline{\sim}$ 24 \sim 100...240	0.4...8	LTMR08CBD
27	$\overline{\sim}$ 24 \sim 100...240	1.35...27	LTMR27CBD
100	$\overline{\sim}$ 24 \sim 100...240	5...100	LTMR100CBD
For DeviceNet			
8	$\overline{\sim}$ 24 \sim 100...240	0.4...8	LTMR08DBD
27	$\overline{\sim}$ 24 \sim 100...240	1.35...27	LTMR27DBD
100	$\overline{\sim}$ 24 \sim 100...240	5...100	LTMR100DBD
For Profibus DP			
8	$\overline{\sim}$ 24 \sim 100...240	0.4...8	LTMR08PBD
27	$\overline{\sim}$ 24 \sim 100...240	1.35...27	LTMR27PBD
100	$\overline{\sim}$ 24 \sim 100...240	5...100	LTMR100PBD
For Ethernet TCP/IP (communication protocols: Modbus/TCP and EtherNet/IP)			
8	$\overline{\sim}$ 24 \sim 100...240	0.4...8	LTMR08EBD
27	$\overline{\sim}$ 24 \sim 100...240	1.35...27	LTMR27EBD
100	$\overline{\sim}$ 24 \sim 100...240	5...100	LTMR100EBD
Filter			
Control voltage	Current max	Reference	
V	mA		
\sim 150...240	130	LTM9F	

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Product references



PB121436.eps

LTMEV40BD



PB121444.eps

LTMCC004



PB112374.eps

LTMCUF

Extension modules (with voltage measurement on the 3 phases)

Input control voltage	Number of inputs	Supply to the electronics	Reference
V			
24	4	Via the controller	LTMEV40BD
~ 100...240	4	Via the controller	LTMEV40FM

HMI terminals

Description	Supply Voltage	Reference
Operator control unit	Languages: English French Spanish Supply via the controller	LTMCU
Operator control unit with Fast Device Replacement Service (FDR)	Languages: English French Spanish Supply via the controller	LTMCUF

Kit for portable LTM CU

Description	Number and type of connectors	Length m	Reference
Connecting cables for the LTM CU control unit	2 x RJ45	1	LTM9CU10
		3	LTM9CU30
Connecting cables for the XBT N410	SUB-D 25-way female RJ45	2.5	XBTZ938

Cables

Description	Number and type of connectors	Length m	Reference
Connecting cables For connecting the controller to the extension module	2 x RJ45	0.04	LTMCC004⁽¹⁾
		0.3	LTM9CEXP03
		1	LTM9CEXP10

⁽¹⁾ Sold in lots of 6.

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PF526393.eps



LT6CT4001



PB121445.eps



DA1TT●●●

Configuration tools

Description	Composition	Reference	Weight kg
Connection cable for PC	USB to RJ45 cable, length 2.5 m	TCSMCNAM3M002P	0.200

Current transformers ⁽¹⁾

Operational current		Reference	Weight kg
Primary A	Secondary A		
100	1 ⁽²⁾	LT6CT1001	0.550
200	1 ⁽²⁾	LT6CT2001	0.550
400	1 ⁽²⁾	LT6CT4001	0.550
800	1 ⁽²⁾	LT6CT8001	0.680

Earth fault toroids (marketed under the Schneider Electric brand)

Rated operational current I _e A	Internal Ø of toroid mm	Reference	Weight kg
Closed toroids, type A			
65	30	50437	0.120
85	50	50438	0.200
160	80	50439	0.420
250	120	50440	0.530
400	200	50441	1.320
630	300	50442	2.230

Split toroids, type OA

85	46	50485	1.300
250	110	50486	3.200

PTC thermistor probes ⁽³⁾

Description	Nominal Operating Temperature (NOT) °C	Colour	Unit reference ⁽⁴⁾
Triple probes	90	Green/green	DA1TT090
	110	Brown/brown	DA1TT110
	120	Grey/grey	DA1TT120
	130	Blue/blue	DA1TT130
	140	White/blue	DA1TT140
	150	Black/black	DA1TT150
	160	Blue/red	DA1TT160
	170	White/green	DA1TT170

⁽¹⁾ The transformers offered for use with Ultra starters are suitable.
Please consult our "Ultra starter-controllers" catalogue.

⁽²⁾ For use with LTMRO8●● controllers.

⁽³⁾ PTC: Positive Temperature Coefficient.

⁽⁴⁾ Sold in lots of 10.

Marking accessories (to be ordered separately)				
Description	Composition	Height mm	Unit reference	Weight kg
Clip-in markers	Strips of 10 identical numbers (0 to 9) or capital letters (A to Z)	5	NSYTRABF5● ⁽¹⁾	0.002
		6	NSYTRABF6● ⁽¹⁾	0.002

Connection accessories				
Description	Length m	Reference	Weight kg	
For Modbus connection				
Cables fitted with 2 x RJ45 connectors	0.3	VW3A8306R03	0.045	
	1	VW3A8306R10	0.065	
	3	VW3A8306R30	0.125	
T-junctions	0.3	VW3A8306TF03	0.032	
	1	VW3A8306TF10	0.032	
RS 485 line terminator	–	VW3A8306R	0.012	

For CANopen connection				
Cables	50	TSXCANCA50	4.930	
	100	TSXCANCA100	8.800	
	300	TSXCANCA300	24.560	
IP20 connectors	Elbowed (90°)	–	TSXCANKCDF90T	0.046
SUB-D 9-way female	Straight	–	TSXCANKCDF180T	0.049
Line end adapter switch	Elbowed (90°) with SUB-D 9-way connector for connection to PC or diagnostic tool	–	TSXCANKCDF90TP	0.051

For DeviceNet connection				
Cables	50	TSXCANCA50	4.930	
	100	TSXCANCA100	8.800	
	300	TSXCANCA300	24.560	

For Profibus DP connection ⁽²⁾				
Cables	100	TSXPBSCA100	–	
	400	TSXPBSCA400	–	
Connectors	With line terminator	–	490NAD91103	–
	Without line terminator	–	490NAD91104	–
	With line terminator and terminal port	–	490NAD91105	–

For Ethernet TCP/IP connection				
Shielded twisted pair cables to standard EIA/TIA568				
Cables fitted with 2 x RJ45 connectors for connection to terminal equipment	Straight	2	490NTW00002	–
		5	490NTW00005	–
		12	490NTW00012	–
		40	490NTW00040	–
		80	490NTW00080	–
Shielded twisted pair cables, UL and CSA 22.1 approved				
Cables fitted with 2 x RJ45 connectors for connection to terminal equipment	Straight	2	490NTW00002U	–
		5	490NTW00005U	–
		12	490NTW00012U	–
		40	490NTW00040U	–
		80	490NTW00080U	–
Ethernet Connector	Elbowed 180°	–	LTM9CE180T ⁽³⁾	0.180

⁽¹⁾ When ordering, replace the ● in the reference with the number or letter required.

⁽²⁾ To order other connectors and cables (UL cables for harsh environments, etc.), please consult our Customer Care Centre.

⁽³⁾ Sold in packs of 6.

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Coordination: fuses (NFC, DIN type aM) + contactor + TeSys T + current transformers

Motor management devices



0.37 to 75 kW at 400/415 V: type 2 coordination									
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 400/415 V			Switch-disconnector		aM fuses		Contactor	TeSys T controller	External current transformer
P	I _e	Reference ⁽¹⁾	Size	Rating	Reference ⁽²⁾	Reference	Reference	Reference	
kW	A			A					
0.37	1.1	GS1DD	10 x 38	2	LC1D09	LTMR08●●	–		
0.55	1.5	GS1DD	10 x 38	2	LC1D09	LTMR08●●	–		
0.75	1.9	GS1DD	10 x 38	4	LC1D09	LTMR08●●	–		
1.1	2.7	GS1DD	10 x 38	4	LC1D09	LTMR08●●	–		
1.5	3.6	GS1DD	10 x 38	4	LC1D09	LTMR08●●	–		
2.2	4.9	GS1DD	10 x 38	6	LC1D09	LTMR08●●	–		
3	6.5	GS1DD	10 x 38	8	LC1D09	LTMR27●●	–		
4	8.5	GS1DD	10 x 38	10	LC1D09	LTMR27●●	–		
5.5	11.5	GS1DD	10 x 38	16	LC1D12	LTMR27●●	–		
7.5	15.5	GS1DD	10 x 38	16	LC1D25	LTMR27●●	–		
10	19	GS●F	14 x 51	25	LC1D25	LTMR27●●	–		
11	22	GS●F	14 x 51	25	LC1D25	LTMR27●●	–		
15	29	GS●F	14 x 51	32	LC1D32	LTMR100●●	–		
18.5	35	GS●F	14 x 51	40	LC1D40A	LTMR100●●	–		
22	41	GS●J	22 x 58	50	LC1D50A	LTMR100●●	–		
30	55	GS●J	22 x 58	80	LC1D65A	LTMR100●●	–		
37	66	GS●J	22 x 58	100	LC1D80	LTMR100●●	–		
45	80	GS●J	22 x 58	100	LC1D95	LTMR100●●	–		
55	97	GS●K	T00	125	LC1D115	LTMR08●●	LT6CT2001		
75	132	GS●L	T0	160	LC1D150	LTMR08●●	LT6CT2001		

(1) GS●: GS1 for direct operator, GS2 for external operator.

(2) For reversing operation, replace the prefix LC1 with LC2.

90 to 355 kW at 400 V: type 2 coordination									
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3e			Switch-disconnector		aM fuses		Contactor	TeSys T controller	External current transformer
400 V			Product type	Size	Rating	Product type	Product type ⁽¹⁾	I _r setting ⁽²⁾	Reference
P	I _e	I _q						A	
kW	A	kA			A				
90	160	80	GS●●N	1	200	LC1G185	LTMR08●●●	160	LUTC2001
110	195	80	GS●●N	1	250	LC1G225	LTMR08●●●	195	LUTC4001
132	230	80	GS●●QQ	2	315	LC1G265	LTMR08●●●	230	LUTC4001
160	280	80	GS●●QQ	2	400	LC1G330	LTMR08●●●	280	LUTC4001
200	350	80	GS2S	3	500	LC1G400	LTMR08●●●	350	LUTC8001
250	430	80	GS2S	3	500	LC1G500	LTMR08●●●	430	LUTC8001
315	540	80	GS2S	3	630	LC1G630	LTMR08●●●	540	LUTC8001
355	610	80	GS2V	4	800	LC1G630	LTMR08●●●	610	LUTC8001

(1) Please refer to C1/4 to select the complete reference for TeSys T motor management controller.

(2) This setting is a general guidance, I_r should be adjusted according to motor characteristics and conditions of use.

TeSys Active

T Motor management system

Coordination: magnetic circuit breaker + contactor + TeSys T
+ current transformers

0.06 to 75 kW at 400/415 V: type 2 coordination							
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 400/415 V			Limiting block	Circuit breaker	Contactor	TeSys T controller	External current transformer
P	I _e	I _q	Reference	Reference	Reference	Reference	Reference
kW	A	kA					
0.06	0.2	130	–	GV2L03	LC1D09	LTMR08●●	–
0.09	0.3	130	–	GV2L03	LC1D09	LTMR08●●	–
0.12	0.44	130	–	GV2L04	LC1D09	LTMR08●●	–
0.18	0.6	130	–	GV2L04	LC1D09	LTMR08●●	–
0.25	0.85	130	–	GV2L05	LC1D09	LTMR08●●	–
0.37	1.1	130	–	GV2L05	LC1D09	LTMR08●●	–
0.4	1.1	130	–	GV2L05	LC1D09	LTMR08●●	–
0.55	1.5	130	–	GV2L06	LC1D09	LTMR08●●	–
0.6	1.5	130	–	GV2L06	LC1D09	LTMR08●●	–
0.75	1.9	130	–	GV2L07	LC1D09	LTMR08●●	–
0.8	1.9	130	–	GV2L07	LC1D09	LTMR08●●	–
1.1	2.7	130	–	GV2L07	LC1D18	LTMR08●●	–
1.5	3.6	130	–	GV2L08	LC1D18	LTMR08●●	–
2.2	4.9	130	–	GV2L10	LC1D18	LTMR08●●	–
3	6.5	130	–	GV2L14	LC1D18	LTMR08●●	–
4	8.5	130	–	GV2L14	LC1D18	LTMR27●●	–
5.5	11.5	130	–	GV2L16	LC1D25	LTMR27●●	–
7.5	15.5	50	–	GV2L20	LC1D25	LTMR27●●	–
9	18.1	50	–	GV2L22	LC1D25	LTMR27●●	–
11	22	50	–	GV2L22	LC1D25	LTMR27●●	–
15	29	50	–	GV3L32	LC1D40A	LTMR100●●	–
7.5	15.5	85	GV1L3	GV2L20	LC1D25	LTMR27●●	–
9	18.1	85	GV1L3	GV2L22	LC1D25	LTMR27●●	–
11	22	85	GV1L3	GV2L22	LC1D25	LTMR27●●	–
15	29	85	GV1L3	GV2L32	LC1D40A	LTMR100●●	–
18.5	35	50	–	GV3L40	LC1D50A	LTMR100●●	–
22	41	50	–	GV3L50	LC1D50A	LTMR100●●	–
30	55	50	–	GV3L65	LC1D65A	LTMR100●●	–
37	66	70	–	GV4LE80S	LC1D80	LTMR100●●	–
45	80	70	–	NSX100HMA	LC1D115	LTMR100●●	–

Motor management devices



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T Motor management system

Coordination: magnetic circuit breaker + contactor + TeSys T
+ current transformers

Motor management devices

0.06 to 75 kW at 400/415 V: type 2 coordination						
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 400/415 V			Circuit breaker	Contactor	TeSys T controller	External current transformer
P	I _e	I _q	Reference	Reference	Reference	Reference
kW	A	kA				
55	97	50	NSX160NMA	LC1D115	LTMR08●●	LT6CT2001
55	97	70	NSX160HMA	LC1D115	LTMR08●●	LT6CT2001
75	132	50	NSX160NMA	LC1D150	LTMR08●●	LT6CT2001
75	132	70	NSX160HMA	LC1D150	LTMR08●●	LT6CT2001

90 to 250 kW at 400 V: type 2 coordination								
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3e			Circuit breaker	Contactor	TeSys T controller	External current transformer		
400 V			Product type ⁽¹⁾	I _{rm} ⁽²⁾	Product type	Product type ⁽³⁾	I _r setting ⁽²⁾	Reference
P	I _e	I _q		A			A	
kW	A	kA						
90	160	130	NSX250● + MA	2200	LC1G185	LTMR08●●	160	LUTC2001
110	195	130	NSX250● + MA	2640	LC1G225	LTMR08●●	195	LUTC2001
132	230	130	NSX400● + MicroLogic 1.3 M	3200	LC1G265	LTMR08●●	230	LUTC4001
150	280	130	NSX400● + MicroLogic 1.3 M	3840	LC1G330	LTMR08●●	280	LUTC4001
200	350	130	NSX630● + MicroLogic 1.3 M	5000	LC1G400	LTMR08●●	350	LUTC4001
220	388	130	NSX630● + MicroLogic 1.3 M	5500	LC1G500	LTMR08●●	388	LUTC4001
250	430	130	NSX630● + MicroLogic 1.3 M	6000	LC1G500	LTMR08●●	430	LUTC8001
300	460	130	NS800L + MicroLogic 5.0 LR OFF	8800	LC1G630	LTMR08●●	460	LUTC8001
335	575	130	NS800L + MicroLogic 5.0 LR OFF	9600	LC1G630	LTMR08●●	575	LUTC8001

(1) Product type to be completed by replacing the ● with the breaking performance code:

Rated conditional short-circuit (kA)	NSX250●/ NSX400●/ NSX630●					NS800●
Breaking performance code	F	N	H	S	L	L
400 V	36	50	70	100	130	150

(2) This setting is a general guidance, I_r and I_{rm} should be adjusted according to motor characteristics and conditions of use.

(3) Please refer to C1/4 to select the complete reference for TeSys T motor management controller.

Substitution table						
Motor current	Old range LT6P multifunction protection relay			New range T controllers		
	Reference	Reference	External current transformer Reference	Reference	Reference	External current transformer Reference
	~ 100...240 V	≡ 24 V		~ 100...240 V	≡ 24 V	
I < 5 A	LT6POM005FM	LT6POM005S144	–	LTMR08●FM	LTMR08●BD	–
5 A < I < 25 A	LT6POM025FM	LT6POM025S144	–	LTMR27●FM	LTMR27●BD	–
25 A < I < 100 A	LT6POM005FM	LT6POM005S144	LT6CT1001	LTMR100●FM	LTMR100●BD	–
100 A < I < 200 A	LT6POM005FM	LT6POM005S144	LT6CT2001	LTMR08●FM	LTMR08●BD	LT6CT2001
200 A < I < 400 A	LT6POM005FM	LT6POM005S144	LT6CT4001	LTMR08●FM	LTMR08●BD	LT6CT4001
400 A < I < 800 A	LT6POM005FM	LT6POM005S144	LT6CT8001	LTMR08●FM	LTMR08●BD	LT6CT8001

TeSys Active

T Motor management system

Coordination: fuses (NFC, DIN type aM) + contactor + TeSys T + current transformers

0.37 to 75 kW at 690 V: type 2 coordination							
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3		Switch-disconnector ⁽¹⁾	aM fuses		Contactor	TeSys T controller	External current transformer
P	I _e	Reference	Size	Rating	Reference	Reference	Reference
kW	A			A			
0.37	0.64	GS●F	14 x 51	1	LC1D09	LTMR08●●	–
0.55	0.87	GS●F	14 x 51	2	LC1D09	LTMR08●●	–
0.75	1.1	GS●F	14 x 51	2	LC1D09	LTMR08●●	–
1.1	1.6	GS●F	14 x 51	2	LC1D09	LTMR08●●	–
1.5	2.1	GS●F	14 x 51	4	LC1D09	LTMR08●●	–
2.2	2.8	GS●F	14 x 51	4	LC1D09	LTMR08●●	–
3	3.8	GS●F	14 x 51	6	LC1D09	LTMR08●●	–
4	4.9	GS●F	14 x 51	6	LC1D09	LTMR08●●	–
5.5	6.7	GS●F	14 x 51	8	LC1D25	LTMR08●●	–
7.5	8.9	GS●F	14 x 51	10	LC1D25	LTMR27●●	–
11	12.8	GS●F	14 x 51	16	LC1D25	LTMR27●●	–
15	17	GS●G	T000	20	LC1D32	LTMR27●●	–
18.5	21	GS●G	T000	25	LC1D32	LTMR27●●	–
22	24	GS●G	T000	32	LC1D40A	LTMR27●●	–
30	32	GS●G	T000	40	LC1D50A	LTMR100●●	–
37	39	GS●J	22 x 58	50	LC1D65A	LTMR100●●	–
45	47	GS●J	22 x 58	63	LC1D80	LTMR100●●	–
55	57	GS●J	22 x 58	80	LC1D115	LTMR100●●	–
75	77	GS●KK	T00	100	LC1D115	LTMR100●●	–

(1) GS●: GS1 for direct operator, GS2 for external operator.

110 to 400 kW at 690 V: type 2 coordination									
Standard power ratings of 3-phase motors 50/60 Hz in category AC-3e			Switch-disconnector	aM fuses		Contactor	TeSys T controller	External current transformer	
690 V			Product type	Size	Rating	Product type	Product type ⁽¹⁾	I _r setting ⁽²⁾	
P	I _e	I _q						Reference	
kW	A	kA			A				
110	113	80	GS●●KK	0	125	LC1G185	LTMR08●●●	113	LUTC2001
132	134	80	GS●●L	0	160	LC1G265	LTMR08●●●	134	LUTC2001
160	162	80	GS●●N	1	160	LC1G265	LTMR08●●●	162	LUTC2001
200	203	80	GS●●N	1	200	LC1G330	LTMR08●●●	203	LUTC2001
220	224	80	GS●●QQ	2	250	LC1G400	LTMR08●●●	224	LUTC4001
250	250	80	GS●●QQ	2	250	LC1G400	LTMR08●●●	250	LUTC4001
290	292	80	GS●●QQ	2	315	LC1G500	LTMR08●●●	292	LUTC4001
315	313	80	GS●●QQ	2	400	LC1G500	LTMR08●●●	313	LUTC4001
355	354	80	GS2S	3	500	LC1G630	LTMR08●●●	354	LUTC4001
400	400	80	GS2S	3	630	LC1G630	LTMR08●●●	400	LUTC8001

(1) Please refer to C1/4 to select the complete reference for TeSys T motor management controller.

(2) This setting is a general guidance, I_r and I_{rm} should be adjusted according to motor characteristics and conditions of use.



TeSys Active

T Motor management system

Coordination: magnetic circuit breaker + contactor + TeSys T
+ current transformers

Motor management devices

½ to 20 HP at 480 V - 3P

Standard power ratings 480 V			Limiter block	Circuit breaker	Contactor	TeSys T controller	External current transformer
P	I _e	I _q	Reference	Reference	Reference	Reference	Reference
HP	A	kA					
–	0.49	100	–	GV2L04	LC1D09	LTMR08●●	–
–	0.64	100	–	GV2L05	LC1D09	LTMR08●●	–
–	0.87	100	–	GV2L05	LC1D09	LTMR08●●	–
0.5	1.1	100	–	GV2L06	LC1D09	LTMR08●●	–
0.75	1.6	100	–	GV2L06	LC1D25	LTMR08●●	–
1	2.1	65	GV1L3	GV2L07	LC1D25	LTMR08●●	–
1.5	3	65	GV1L3	GV2L08	LC1D25	LTMR08●●	–
2	3.4	65	GV1L3	GV2L08	LC1D25	LTMR08●●	–
3	4.8	65	GV1L3	GV2L10	LC1D25	LTMR08●●	–
5	7.6	65	GV1L3	GV2L14	LC1D25	LTMR08●●	–
7.5	11	65	GV1L3	GV2L16	LC1D25	LTMR27●●	–
10	14	65	GV1L3	GV2L16	LC1D25	LTMR27●●	–
15	21	65	GV1L3	GV2L22	LC1D32	LTMR27●●	–
20	27	65	GV1L3	GV2L32	LC1D40A	LTMR100●●	–



0.25 to 22 kW at 690 V: type 2 coordination

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 690 V			Limiter block	Circuit breaker	Contactor	TeSys T controller	External current transformer
P	I _e	I _q	Reference	Reference	Reference	Reference	Reference
kW	A	kA					
–	0.49	100	–	GV2L04	LC1D09	LTMR08●●	–
–	0.64	100	–	GV2L05	LC1D09	LTMR08●●	–
–	0.87	100	–	GV2L05	LC1D09	LTMR08●●	–
0.75	1.1	100	–	GV2L06	LC1D09	LTMR08●●	–
1.1	1.6	100	–	GV2L06	LC1D09	LTMR08●●	–
1.5	2.1	65	LA9LB920	GV2L07	LC1D09	LTMR08●●	–
2.2	2.8	65	LA9LB920	GV2L08	LC1D09	LTMR08●●	–
3	3.8	65	LA9LB920	GV2L08	LC1D09	LTMR08●●	–
4	4.9	65	LA9LB920	GV2L10	LC1D09	LTMR08●●	–
5.5	6.7	65	LA9LB920	GV2L14	LC1D09	LTMR08●●	–
7.5	8.9	65	LA9LB920	GV2L14	LC1D09	LTMR27●●	–
9	10.6	65	LA9LB920	GV2L16	LC1D18	LTMR27●●	–
11	12.8	65	LA9LB920	GV2L16	LC1D18	LTMR27●●	–
15	17	65	LA9LB920	GV2L20	LC1D18	LTMR27●●	–
18.5	21	65	LA9LB920	GV2L22	LC1D18	LTMR27●●	–
22	24	65	LA9LB920	GV2L32	LC1D18	LTMR100●●	–

TeSys Control - TeSys Active

Ultra Motor management controller

T Motor management system

Product references

Motor
management
devices

50437	LTMR08PFM
50438	LTMR100CBD
50439	LTMR100CFM
50440	LTMR100DBD
50441	LTMR100DFM
50442	LTMR100EBD
50485	LTMR100EFM
50486	LTMR100MBD
490NAD91103	LTMR100MFM
490NAD91104	LTMR100PBD
490NAD91105	LTMR100PFM
490NTW00012U	LTMR27CBD
490NTW00040U	LTMR27CFM
490NTW00080U	LTMR27DBD
DA1TT090	LTMR27DFM
DA1TT110	LTMR27EBD
DA1TT120	LTMR27EFM
DA1TT130	LTMR27MBD
DA1TT140	LTMR27MFM
DA1TT150	LTMR27PBD
DA1TT160	LTMR27PFM
DA1TT170	LUCBT1BL
LT6CT1001	LUCDT1BL
LT6CT2001	LUCMT1BL
LT6CT4001	LUTC0501
LT6CT8001	LUTC1001
LTM9BPS	LUTC2001
LTM9CE180T	LUTC4001
LTM9CEXP10	LUTC8001
LTM9CU10	LUTM10BL
LTM9CU30	LUTM20BL
LTM9F	TSXCANCA100
LTM9KCU	TSXCANCA300
LTMCU	TSXCANCA50
LTMCUF	TSXCANKCDF180T
LTMEV40BD	TSXCANKCDF90T
LTMEV40FM	TSXCANKCDF90TP
LTMR08CBD	TSXPBSCA100
LTMR08CFM	TSXPBSCA400
LTMR08DBD	VW3A8306R
LTMR08DFM	VW3A8306R03
LTMR08EBD	VW3A8306R10
LTMR08EFM	VW3A8306R30
LTMR08MBD	VW3A8306TF03
LTMR08MFM	VW3A8306TF10
LTMR08PBD	XBTZ938

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