

टेक्नोलॉजी का आधार दिलाए सुनहरी फसल
सुगीला सोनेरी दिवस दाखवणारे तंत्रज्ञान
सुपर्ण ७५४ ने सशक्त बनायती टेक्नोलॉजी
उत्तरीक ने देवे मुनिहरी डमल दा वरदान
प्रयुक्तिगत क्षमताई प्रदान करे सोनार फसल
प्रयुक्ति बजान द्वावा वसव वृना पवि उज्जल एवम
पेपान्नान मककुलुक्कु उतवमं त्रेतापुलिन्नुदपमं
केकनोउज्जि मिकुअ विउवेवसुप्पु स्यायुमाकुणु
उिनूद फसलीगे सामुर्धदायक तंउविज्जान
सांकेतिक परिज्जानं बंगारपु पंढ साधिकारत गलदि
Technology empowering golden harvest



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Effective from 01-11-2013

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2-year warranty*



- 5W Solar panel for fast charging
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* 1 year warranty on battery

* Available in select states only. For more information contact our Customer Interaction Centre (CIC)

Customer Interaction Centre (CIC)

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LARSEN & TOUBRO

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Offerings

HP Rating	DOL										
	Starters								Controller		
	MK1	MF1	MU1	MB1	MU2	MB2	ML1.5	ML2	MU-G6	MU-G10	MU-G10H
0.125											
0.25 - 2											
3 - 6											
7.5											
10											
12.5											
15											
20											

HP Rating	FASD												
	Starters							Controller					
	MK1	MU1	MB1	ML1.5	MU2	MB2	ML2	MU-G15	MU-G20	MU-G20H	MU-G30	MU-G50	MU-G75
6 - 10													
12.5													
15													
20													
25													
30													
35													
50													
75													

Note: New introduction MU-G15 and MU-G75.

HP Rating	SASD						
	Starters						
	MK1	MU1	MB1	MU2	MB2	ML1.5	ML2
6-10							
12.5							
15							
20							
25							
30							
35							



Composition for DOL Starters

Relay Range (A) / Starter Type		Relays used													
		1-1.6	1.5-2.5	2.5-4	4-6.5	6-10	9-14	9-15	10-16	11-18	13-21	13-22	14-23	20-32	20-33
MK1		MK1	MK1	MK1	MK1	MK1				MK1		MK1			
MU1							MU2				MU2			MU2	
MU2											MU2			MU2	
MB1								MN2					MN2		
MB2													MN2	MN2	
ML1.5							ML2/3		ML1.5	ML2/3	ML2/3			ML2/3	
ML2							ML2/3				ML2/3			ML2/3	
Relay Range (A) / Starter Type		Contactors used													
		1-1.6	1.5-2.5	2.5-4	4-6.5	6-10	9-14	9-15	10-16	11-18	13-21	13-22	14-23	20-32	20-33
MK1		MK1	MK1	MK1	MK1	MK1				MK1		MK1			
MU1							MU1				MU1			MU1	
MU2											MU2			MU2	
MB1								MU1					MU1		
MB2													MU2	MU2	
ML1.5							ML1.5		ML1.5	ML1.5	ML1.5			ML1.5	
ML2							ML2				ML2			ML2	

Composition for SASD Starters

Relay Range (A) / Starter Type		Relays used									
		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33
MK1		MK1	MK1	MK1		MK1		MK1			
MU1				MU2			MU2				
MU2							MU2			MU2	
MB1					MN2				MN2		
MB2									MN2	MN2	
ML1.5				ML2/3			ML2/3			ML2/3	
ML2				ML2/3			ML2/3			ML2/3	
Relay Range (A) / Starter Type		Contactors Used									
		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33
MK1		MK1	MK1	MK1		MK1		MK1			
MU1				MU1			MU1				
MU2							MU2			MU2	
MB1					MU1				MU1		
MB2									MU2	MU2	
ML1.5				ML1.5			ML1.5			ML1.5	
ML2				ML2			ML2			ML2	



Composition for FASD Starters

Relay Range (A) \ Starter Type		Relays used									
		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33
MK1		MK1	MK1	MK1		MK1		MK1			
MU1				MU2			MU2				
MU2							MU2			MU2	
MB1					MN2				MN2		
MB2									MN2		MN2
ML1.5				ML2/3			ML2/3			ML2/3	
ML2				ML2/3			ML2/3			ML2/3	
Relay Range (A) \ Controller Type		Contactors used									
		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33
MK1		MK1	MK1	MK1		MK1		MK1			
MU1				MU1			MU1				
MU2							MU2			MU2	
MB1					MU1				MU1		
MB2									MU2		MU2
ML1.5				ML1.5			ML1.5			ML1.5	
ML2				ML2			ML2			ML2	

Composition for Controllers

Relay Range (A) \ Controller Type		Relays used									
		4-6.5	6-10	9-14	13-21	20-32	20-33	28-42	30-50	45-75	66-110
MU-G6		MK1	MK1	MK1							
MU-G10		MU1	MU1	MU2	MU2						
MU-G10H						MU2		MU2			
MU-G15			MK1	MK1							
MU-G20				MU2	MU2						
MU-G20H						MU2		MU2			
MU-G30							MN5		MN5		
MU-G50									MN5	MN5	
MU-G75										MN5	MN5
Relay Range (A) \ Controller Type		Contactors used									
		4-6.5	6-10	9-14	13-21	20-32	20-33	28-42	30-50	45-75	66-110
MU-G6		MK1	MK1	MK1							
MU-G10		MU1	MU1	MU1	MU1						
MU-G10H						MU2		MU2			
MU-G15			MK1	MK1							
MU-G20				MU1	MU1						
MU-G20H						MU2		MU2			
MU-G30							ML2W		ML2W		
MU-G50									ML4W	ML4W	
MU-G75										ML6W	ML6W
Relay Range (A) \ Controller Type		Single Phase Preventer used									
		4-6.5	6-10	9-14	13-21	20-32	20-33	28-42	30-50	45-75	66-110
MU-G6		Sz5	Sz5	Sz5							
MU-G10		z5	z5	z5	z5						
MU-G10H						z5		z5			
MU-G15			SDz5	SDz5							
MU-G20				SDz5	SDz5						
MU-G20H						SDz5		SDz5			
MU-G30							z5		z5		
MU-G50									z5	z5	
MU-G75										SDz5	SDz5

Note: New introduction MU-G15 and MU-G75. For modes of operation of SPPR, refer page no. 14



MK1 DOL / SASD / FASD



MK1 DOL

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.				Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
		Coil Voltage 230/250V	Coil Voltage 360V- (Wide Band)	Coil Voltage 360V	Coil Voltage 440V		
0.25 HP	0.6 - 1	SS96210NOKO			SS96210POKO	1	1810
0.5 HP	1 - 1.6	SS96210NOMO		SS96210COMO	SS96210POMO	1	1810
1 HP	1.5 - 2.5	SS96210NOPO		SS96210COPO	SS96210POPO	1	1810
2 HP	2.5 - 4	SS96210NORO		SS96210CORO	SS96210PORO	1	1810
4 HP	4 - 6.5	SS96210NOTO	SS96210SOTO	SS96210COTO	SS96210POTO	1	1810
6 HP	6 - 10	SS96210NOVO	SS96210SOVO	SS96210COVO	SS96210POVO	1	1810
7.5 HP	9 - 14	SS96210NOAO	SS96210SOAO	SS96210COAO	SS96210POAO	1	1810
7.5 HP	11 - 18		SS96211SOCO	SS96211COCO	SS96211POCO	1	1850
7.5 HP	13 - 22		SS96228SODO	SS96228CODO	SS96228PODO	1	1895

MK1 SASD

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
		Coil Voltage 360V	Coil Voltage 440V		
6 HP	4 - 6.5	SS96255COTO	SS96255POTO	1	5940
10 HP	6 - 10	SS96255COVO	SS96255POVO	1	5940
12.5 / 15 HP	9 - 14	SS96255COAO	SS96255POAO	1	5940
15 HP	11 - 18	SS96258COCO	SS96258POCO	1	5965
15 HP	13 - 22	SS96260CODO	SS96260PODO	1	5985

MK1 FASD

Suitable for Pump/Motor 3Ø, 415V 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
		Coil Voltage 360V	Coil Voltage 440V		
6 HP	4 - 6.5	SS96254COTO	SS96254POTO	1	6745
10 HP	6 - 10	SS96254COVO	SS96254POVO	1	6745
12.5 / 15 HP	9 - 14	SS96254COAO	SS96254POAO	1	6745
15 HP	11 - 18	SS96257COCO	SS96257POCO	1	6805
15 HP	13 - 22	SS96259CODO	SS96259PODO	1	6830



Spares for MK1 Starters



MK1 Spares

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 Spares	Spare kit (4 sets of contacts)	SS909830000	50	450
	Spare kit with hardware (3 sets of contacts)	SS928450000	40	425
	Single moving contact	SS910090000	10	40
	Push button unit	SS900040000	1	120
	Arc shield	SS500040000	1	130
	Contact bridge without contact	SS500050000	1	120
	Aux. contact block: 1NO + 1NC	SS901200000	50	275
	Thermal timer without combination coil	SS902240000	1	780



MK1 Standard Operating Coil

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 Standard Operating Coil	110V	SS900430000	10	200
	220V	SS900440000	10	200
	230 / 250V	SS900450000	10	200
	360V	SS901650000	10	200
	440V	SS900470000	10	200
Wide Band Coil	200V to 400V	SS909930000	10	240



MK1 Contactor

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 Contactors	110V	SS95200A000	10	985
	220V	SS95200K000	10	985
	230 / 250V	SS95200N000	10	985
	360V	SS95200C000	10	985
	360V-W	SS95200S000	10	985
	400 / 440V	SS95200P000	10	985



MK1 Combination Coil

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 Combination Coil	Combination coils for 400 / 440V	SS904430000	10	510
	Combination coils for 230V	SS904440000	10	510
	Combination coils for 380V	SS904450000	10	510
	Combination coils for 360V	SS904460000	10	510



MK1 Relay

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 Relays	0.6 - 1A	SS9003500KO	10	740
	1 - 1.6A	SS9003500MO	10	740
	1.5 - 2.5A	SS9003500PO	10	740
	2.5 - 4A	SS9003500RO	10	740
	4 - 6.5A	SS9003500TO	10	740
	6 - 10A	SS9003500VO	10	740
	9 - 14A	SS9003500AO	10	740
	11 - 18A	SS9003600CO	10	775
13 - 22A	SS9188800DO	10	815	



MU / MB Starters



MU / MB DOL

Starter Type	Suitable for Pump/ Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
			Coil Voltage 360V	Coil Voltage 415V		
MU1 DOL (with MU relay)	7.5 HP	9 - 14	SS95647COAO	SS95647DOAO	10	2995
	10 HP	13 - 21	SS95647COCO	SS95647DOCO	10	3070
MU2 DOL (with MU relay)	12.5 HP	13 - 21	SS95648COCO	SS95648DOCO	10	3945
	15 HP	20 - 32	SS95648COEO	SS95648DOEO	10	4130
MB1 DOL (with MN relay)	7.5 HP	9 - 15	SS95649COBO	SS95649DOBO	8	3015
	10 HP	14 - 23	SS95649CODO	SS95649DODO	8	3090
MB2 DOL (with MN relay)	12.5 HP	14 - 23	SS95650CODO	SS95650DODO	8	3965
	15 HP	20 - 33	SS95650COEO	SS95650DOEO	8	4150

MU / MB SASD

Starter Type	Suitable for Pump/ Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
			Coil Voltage 360V	Coil Voltage 415V		
MU1 SASD (with MU relay)	12.5 HP	9 - 14	SS95891COAO	SS95891DOAO	1	7865
	15 HP	13 - 21	SS95891COCO	SS95891DOCO	1	7935
MU2 SASD (with MU relay)	20 HP	13 - 21	SS95893COCO	SS95893DOCO	1	9830
	30 HP	20 - 32	SS95893COEO	SS95893DOEO	1	10030
MB1 SASD (with MN relay)	12.5 HP	9 - 15	SS95895COBO	SS95895DOBO	1	8830
	15 HP	14 - 23	SS95895CODO	SS95895DODO	1	8905
MB2 SASD (with MN relay)	20 HP	14 - 23	SS95897CODO	SS95897DODO	1	10300
	30 HP	20 - 33	SS95897COEO	SS95897DOEO	1	10540

MU / MB FASD

Starter Type	Suitable for Pump/ Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
			Coil Voltage 360V	Coil Voltage 415V		
MU1 FASD (with MU relay)	12.5 HP	9 - 14	SS95890COAO	SS95890DOAO	1	9115
	15 HP	13 - 21	SS95890COCO	SS95890DOCO	1	9190
MU2 FASD (with MU relay)	20 HP	13 - 21	SS95892COCO	SS95892DOCO	1	10860
	30 HP	20 - 32	SS95892COEO	SS95892DOEO	1	11070
MB1 FASD (with MN relay)	12.5 HP	9 - 15	SS95894COBO	SS95894DOBO	1	9160
	15 HP	14 - 23	SS95894CODO	SS95894DODO	1	9230
MB2 FASD (with MN relay)	20 HP	14 - 23	SS95896CODO	SS95896DODO	1	10960
	30 HP	20 - 33	SS95896COEO	SS95896DOEO	1	11170

Note:- MN relay is with single phasing protection feature.



MU Contactor



MU1 / MU2 Relay



MU Contact Bridge



Spare Kit



MU Coil



Spare Housing

Component	Type	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU1 Contactor	MU1 110V	CS94007A000	10	1525
	MU1 240V	CS94007B000	10	1525
	MU1 360V	CS94007C000	10	1525
	MU1 415V	CS94007D000	10	1525
MU2 Contactor	MU2 110V	CS94008A000	10	2065
	MU2 240V	CS94008B000	10	2065
	MU2 360V	CS94008C000	10	2065
	MU2 415V	CS94008D000	10	2065
MU1 Relay	4-6.5A	SS96557OOTO	1	990
	6-10A	SS96557OOVO	1	990
MU2 Relay	9-14A	SS95979OOAO	1	1080
	13-21A	SS95979OOCO	1	1150
	20-32A	SS95979OOEO	1	1395
	28-42A	SS95979OOFO	1	1650

MU Contactor Spares

Type	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU contact bridge	CS94994O000	10	75
MU1 single contact	CS94995O000	1	85
MU2 single contact	CS94996O000	1	165
MU-Add ON Block - 1NO + 1NC (LHS)	SS94072O000	10	150
MU-Add ON Block - 1NC (LHS)	SS94074O000	10	125

Spares For MU / MB

Component	Type	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Spare Kit	MU1	CS94010O000	1	580
	MU2	CS94011O000	1	985
MU Coils	110V	CS94009A000	10	440
	240V	CS94009B000	10	440
	360V	CS94009C000	10	440
	415V	CS94009D000	10	440

Component	Type	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Spare Relay Extension Knob (Pack of 20 Nos.)	MU1	CS94336O000	1	60
	MU2	CS94337O000	1	60
Spare Housing	MU1	CS94998O000	10	200
	MU2	CS94999O000	10	200



ML DOL Starters

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
			Coil Voltage 360V	Coil Voltage 380V	Coil Voltage 440V		
ML1.5 DOL	7.5 HP	9 - 14	SS91854COAO		SS91854POAO	1	4500
	7.5 HP	10 - 16	SS91869COBO		SS91869POBO	1	4500
	10 HP	11 - 18	SS91869COCO		SS91869POCO	1	4500
	12.5 HP	13 - 21	SS91854COCO		SS91854POCO	1	4500
	15 HP	20 - 32	SS91854COEO		SS91854POEO	1	4500
ML2 DOL (Heavy duty)	7.5 HP	9 - 14		SS90702LOAO	SS90702POAO	1	7495
	10/12.5 HP	13 - 21	SS90702COCO	SS90702LOCO	SS90702POCO	1	7495
	20 HP	20 - 32	SS90702COEO	SS90702LOEO	SS90702POEO	1	7495

ML SASD Starters

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
			Coil Voltage 360V	Coil Voltage 380V	Coil Voltage 440V		
ML1.5 SASD	12.5 HP	9 - 14	SS91856COAO		SS91856POAO	1	10355
	20 HP	13 - 21	SS91856COCO		SS91856POCO	1	10355
	25 HP	20 - 32	SS91856COEO		SS91856POEO	1	10355
ML2 SASD (Heavy duty)	12.5 HP	9 - 14	SS90707COAO			1	18100
	20 HP	13 - 21	SS90707COCO	SS90707LOCO	SS90707POCO	1	18100
	35 HP	20 - 32	SS90707COEO	SS90707LOEO	SS90707POEO	1	18100

ML FASD Starters

Starter Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
			Coil Voltage 360V	Coil Voltage 380V	Coil Voltage 440V		
ML1.5 FASD	12.5 HP	9 - 14	SS91855COAO		SS91855POAO	1	11755
	20 HP	13 - 21	SS91855COCO		SS91855POCO	1	11755
	25 HP	20 - 32	SS91855COEO		SS91855POEO	1	11755
ML2 FASD (Heavy duty)	12.5 HP	9 - 14			SS90705POAO	1	18660
	20 HP	13 - 21	SS90705COCO	SS90705LOCO	SS90705POCO	1	18660
	35 HP	20 - 32	SS90705COEO		SS90705POEO	1	18660



ML1.5 Contactor

	Type	Aux. Contacts	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
ML Contactor	ML1.5	2 NO + 2 NC	SS91851	1	2230
	ML2 W	2 NO + 2 NC	CS96005LOOO	1	4140
	ML4 W	2 NO + 2 NC	CS96006LOOO	1	9990
	ML6W	2 NO + 2 NC	CS90168LOOO	1	15770



Standard Operating Coil ML1.5

	Voltage	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Standard Operating Coils for ML1.5	240V	SS90873B000	10	590
	360V	SS90873C000	10	590
	380V	SS90873L000	10	590
	440V	SS90873P000	10	590



Standard Operating Coil ML2 / ML3

Standard Operating Coils for ML2/ML2W Contactor	240V	SS90545B000	10	960
	360V	SS90545C000	10	960
	380V	SS90545L000	10	960
	440V	SS90545P000	10	960

Standard Operating Coils for ML4/ML4W Contactor	240V	SS91258 B000	10	1840
	360V	SS91258 C000	10	1840
	380V	SS91258 L000	10	1840
	440V	SS91258 P000	10	1840
Wideband Coil for ML6W Contactor	380V	CS90169L000	10	1840

ML1.5

Spare kit without coil	ML1.5	SS95305O000	50	1415
Moving contacts kit	ML1.5	SS92817O000	10	385
Front Housing & Moving Bridge kit	ML1.5	ST28734O000	10	400



Spare kit

ML2

Spare kit without coil	ML2	SS95307O000	10	2215
Moving contacts kit	ML2	SS92818O000	10	580
Front Housing & Moving Bridge kit	ML2	ST23866O000	10	550



ML1.5 Relay

ML

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
ML1.5				
(Directly Operated)	0.15 - 0.25	SS91858O0DO	10	1565
	0.25 - 0.4	SS91858O0FO	10	1565
	0.4 - 0.65	SS91858O0HO	10	1565
	0.6 - 1	SS91858O0KO	10	1565
	1 - 1.6	SS91858O0MO	10	1565
Direct Mounting	1.5 - 2.5	SS91858O0PO	10	1565
	2.5 - 4	SS91858O0RO	10	1565
	4 - 6.5	SS91858O0TO	10	1565
	6 - 10	SS91858O0VO	10	1565
	10 - 16	SS91858O0BO	10	1565
ML2 / ML3				
(Directly Operated)	9 - 14	SS91859O0AO	2	2315
	13 - 21	SS91859O0CO	2	2315
Direct Mounting	20 - 32	SS91859O0EO	2	2315
	28 - 42	SS91859O0FO	2	2315



ML2 / ML3 Relay



Single Phase / Three Phase Starters



MF1 DOL - 1Ø Starter

Single Phase Starters

Suitable for Pump/Motor 1Ø, 230V, 50Hz	Relay Range (A)	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
0.75 HP	4.5 - 7	SS97227OOTO	1	820
1.25 HP	6.5 - 11	SS97227OOVO	1	820
2 HP	10.5 - 17.5	SS97227OOBO	1	820
3 HP	12 - 20	SS97227OOCO	1	820



MF1 DOL - 3Ø Starter

Three Phase Starters

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
0.125 HP	0.4 - 0.65	SS97210OOHO	1	1100
0.25 HP	0.6 - 1	SS97210OOKO	1	1100
0.5 HP	1 - 1.6	SS97210OOMO	1	1100
1.25 HP	1.5 - 2.5	SS97210OOPO	1	1100
2 HP	2.5 - 4	SS97210OORO	1	1100
4 HP	4 - 6.5	SS97210OOTO	1	1100
6 HP	6 - 10	SS97210OOVO	1	1100
7.5 HP	9 - 15	SS97210OOBO	1	1100
7.5 HP	11 - 18	SS97210OOCO	1	1100



MH0 - 1Ø Starter

Single Phase Starters (Coil operated)

Max. Motor Output at 1Ø, 230V, 50Hz		Relay Range (A)	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
HP	kW					
0.5	0.37	4 - 6.5	MH0	ST37491BOTO	1	950
1	0.75	6 - 10	MH0	ST37491BOVO	1	950



M-POWER Module For Mobile Starters & Submersible Pump Controllers



Wire Type Antenna

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
M-POWER, Module for Mobile Starters & Submersible Pump Controllers	GSM03010000	1	5950



Controller-side Wire Harness & Module side Wire Harness

M-POWER Accessories

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Wire Type Antenna	GSM0301A000	1	400
Controller-side Wire Harness	GSM0301C000	1	95
Module side Wire Harness	GSM0301G000	1	140



MU-G6 / 10 / 15 / 20 Three Phase Submersible Pump Controllers (with Single Phase Preventer)



MU-G6 DOL (With Wideband Coil)

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU-G6 DOL	3 HP	4 - 6.5	360V	SS97756COTO	1	5000
	5 HP	6 - 10	360V	SS97756COVO	1	5000
	6 HP	9 - 14	360V	SS97756COAO	1	5000

MU-G10 DOL (With Wideband Coil)

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz		Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
	HP	kW		Coil Voltage 360V	Coil Voltage 415V		
MU-G10 DOL	3	2.2	4 - 6.5	SS95983COTO	SS95983DOTO	1	5830
	5	3.7	6 - 10	SS95983COVO	SS95983DOVO	1	5830
	7.5	5.5	9 - 14	SS95983COAO	SS95983DOAO	1	5885
	10	7.5	13 - 21	SS95983COCO	SS95983DOCO	1	5940
MU-G10H-DOL (Heavy duty)	10	7.5	20 - 32	SS95974COEO	SS95974DOEO	1	6815
	10	7.5	28 - 42	SS95974COFO	SS95974DOFO	1	6920



MU-G15 FASD (With Wideband Coil)

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz		Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
	HP	kW		Coil Voltage 360V	Coil Voltage 400/440V		
MU-G15 FASD	10	7.5	6 - 10	CS94091COVO	CS94091POVO	1	9700
	15	11	9 - 14	CS94091COAO	CS94091POAO	1	9700

MU-G20 FASD (With Wideband Coil)

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz		Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
	HP	kW		Coil Voltage 360V	Coil Voltage 415V		
MU-G20 FASD	15	11	9 - 14	SS95984COAO	SS95984DOAO	1	11400
	20	15	13 - 21	SS95984COCO	SS95984DOCO	1	11450
MU-G20H FASD (Heavy duty)	20	15	20 - 32	SS95975COEO	SS95975DOEO	1	13795
	20	15	28 - 42	SS95975COFO	SS95975DOFO	1	14100



MU-G30 / 50 / 75 Three Phase Submersible Pump Controller (with Single Phase Preventer)



With ML Contactor & MN5 Relay

MU-G30 FASD (With Wideband Coil)

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU-G30 FASD	20 HP	20 - 33	380V	CS96008COEO	1	22320
	30 HP	30 - 50	380V	CS96008COGO	1	22850

MU-G50 FASD (With Wideband Coil)

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU-G50 FASD	30 HP	30 - 50	380V	CS96009COGO	1	35100
	50 HP	45 - 75	380V	CS96009COJO	1	36160

New

MU-G75 FASD (With Wideband Coil)

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU-G75 FASD	50 HP	45 - 75	380V	CS96451LOJO	1	49000
	75 HP	66 - 110	380V	CS96451LOKO	1	49000

Spare MN Relay



MN 2



MN 5

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit	
MN 2					
(Directly Operated) Direct mounting	0.2 - 0.33	SS94141OOEO	10	1125	
	0.3 - 0.5	SS94141OOGO	10	1125	
	0.45 - 0.75	SS94141OOJO	10	1125	
	0.6 - 1	SS94141OOKO	10	1125	
	0.9 - 1.5	SS94141OOMO	10	1125	
	1.4 - 2.3	SS94141OOP0	10	1125	
	2 - 3.3	SS94141OOQO	10	1135	
	3 - 5	SS94141OOSO	10	1135	
	4.5 - 7.5	SS94141OOUO	10	1135	
	6 - 10	SS94142OOVO	10	1135	
(Directly Operated) Direct Mounting	9 - 15	SS94142OOBO	10	1155	
	14 - 23	SS94144OODO	10	1235	
	20 - 33	SS94145OOEO	10	1815	
	MN 5				
	20 - 33	SS94136OOEO	10	2085	
30 - 50	SS94136OOGO	10	2385		
45 - 75	SS94137OOJO	10	3435		
66-110	SS94137OOKO	10	3560		



Spares for MU-G Submersible Pump Controller



**Terminal Block
(3 & 6 way)**

**Terminal Block 100A
(3 way)**



Indicating Lamp Red & Green



Volt-Ammeter



SPPR Type Sz5 (7 Wire & 6 Wire)



SPPR Type SDz5



**Timer
ST100 Timer
GT200**

New

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Electronic Star-Delta Timer type ST100 160 - 500V, for 3 - 30 sec	ST803280000	1	1440
Electronic Timer type ET100 240 / 360 / 415V, for 9 - 30 sec	SE920060000*	1	3275
Thermal Timer type GT200 250V, for 5 - 18 sec	SS91270NOOO	1	2480
Thermal Timer type GT200 320V, for 5 - 18 sec	SS91270ROOO	1	2480
Thermal Timer type GT200 360V, for 5 - 18 sec	SS91270COOO	1	2480
Thermal Timer type GT200 380V, for 5 - 18 sec	SS91270LOOO	1	2480
Thermal Timer type GT200 400 / 440V, for 5 - 18 sec	SS91270POOO	1	2480

* Product available till stock lasts.

Note: ST100 supplied with mounting kit, suitable for ET100 replacement.

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Terminal Block 60A - 3 way	CS948060000	1	110
Terminal Block 60A - 6 way	CS948080000	1	190
Terminal Block - 100A - 3 way	CS943380000	1	750

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Indicating lamp Red 415V	CS94810DOOO	1	210
Indicating lamp Green 415V	CS94812DOOO	1	210

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Volt-Ammeter 500V 30A	CS94817EOEO	1	655
Volt-Ammeter 500V 60A	CS94817EOTO	1	805
Ammeter 0 - 100A	CS943390000	1	585
Ammeter 0 - 125A	CS943400000	1	585
Voltmeter 0 - 500V	CS943410000	1	645

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
360V SPPR type z5	CS94801COOO*	1	1260
380V SPPR type z5	CS94801LOOO*	1	1260
415V SPPR type z5	CS94801DOOO*	1	1260
380V SPPR type Sz5 (7 Wire)	ST921660000	1	630
380V SPPR type Sz5 (6 Wire)	CS94824LOOO	1	630
360V SPPR type SDz5	XM818080000	1	1845
415V SPPR type SDz5	XM818090000	1	1845

SPPR Type	Modes of Operation			Timer
	Auto	Manual	Bypass	
z5	✓		✓	
Sz5	✓	✓	✓	
SDz5	✓	✓	✓	✓



MR-G2 Single Phase Submersible Pump Controller



Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Relay Range (A)	Start Capacitor 275V, 50Hz MFD	Run Capacitor 440V, 50Hz MFD	With Ammeter & Voltmeter	With Ammeter Only	M.R.P. (₹) Per Unit
0.5 HP	SS97720BATC	4 - 6.5	80/100	1 x 25	Yes	-	3570
	SS97720BAVC	6 - 10	80/100	1 x 25			
	SS97720BAVE	6 - 10	80/100	1 x 36			
	SS96988BATC	4 - 6.5	80/100	1 x 25	-	Yes	
	SS96988BAVC	6 - 10	80/100	1 x 25			
SS96988BAVE	6 - 10	80/100	1 x 36				
1 HP	SS97721BBVE	6 - 10	100/120	1 x 36	Yes	-	3880
	SS97721BBVG	6 - 10	100/120	1 x 50			
	SS97721BCVE	6 - 10	120/150	1 x 36			
	SS97721BCVG	6 - 10	120/150	1 x 50			
	SS97721BBAE	9 - 14	100/120	1 x 36			
	SS97721BBAG	9 - 14	100/120	1 x 50			
	SS97721BCAE	9 - 14	120/150	1 x 36			
	SS97721BCAG	9 - 14	120/150	1 x 50			
	SS96560BBVE	6 - 10	100/120	1 x 36	-	Yes	
	SS96560BBVG	6 - 10	100/120	1 x 50			
	SS96560BCVE	6 - 10	120/150	1 x 36			
	SS96560BCVG	6 - 10	120/150	1 x 50			
	SS96560BBAE	9 - 14	100/120	1 x 36			
	SS96560BBAG	9 - 14	100/120	1 x 50			
SS96560BCAE	9 - 14	120/150	1 x 36				
SS96560BCAG	9 - 14	120/150	1 x 50				
1.5 HP	SS97722BCAG	9 - 14	120/150	1 x 50	Yes	-	4265
	SS97722BCAF	9 - 14	120/150	2 x 36			
	SS97722BDAG	9 - 14	150/200	1 x 50			
	SS97722BDAF	9 - 14	150/200	2 x 36			
	SS97722BCCG	11 - 18	120/150	1 x 50			
	SS97722BCCF	11 - 18	120/150	2 x 36			
	SS97722BDCG	11 - 18	150/200	1 x 50			
	SS97722BDCF	11 - 18	150/200	2 x 36			
	SS96989BCAG	9 - 14	120/150	1 x 50	-	Yes	
	SS96989BCAF	9 - 14	120/150	2 x 36			
	SS96989BDAG	9 - 14	150/200	1 x 50			
	SS96989BDAF	9 - 14	150/200	2 x 36			
	SS96989BCCG	11 - 18	120/150	1 x 50			
	SS96989BCCF	11 - 18	120/150	2 x 36			
SS96989BDCG	11 - 18	150/200	1 x 50				
SS96989BDCF	11 - 18	150/200	2 x 36				
2 HP	SS97723BDCF	11 - 18	150/200	2 x 36	Yes	-	4455
	SS97723BECF	11 - 18	200/250	2 x 36			
	SS97723BDDF	13 - 22	150/200	2 x 36			
	SS97723BEDF	13 - 22	200/250	2 x 36			
	SS97723BEDG	13 - 22	200/250	1 x 50			
	SS96990BDCF	11 - 18	150/200	2 x 36	-	Yes	
	SS96990BECF	11 - 18	200/250	2 x 36			
	SS96990BDDF	13 - 22	150/200	2 x 36			
	SS96990BEDF	13 - 22	200/250	2 x 36			
3 HP	SS96990BEDG	13 - 22	200/250	1 x 50	Yes	-	4750
	SS97724BEDH	13 - 22	200/250	2 x 50			
	SS97725BEDH	13 - 22	200/250	2 x 50			



Spares for MR-G Submersible Pump Controller



MR 11W Contactor

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
MR 11W Contactor, 240V, 50Hz	CS94176B000	10	660
Add on Auxiliary Contact Block (Contact Type 1NO)	CS941790000	10	165



MR11W Aux. Contact Block

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
Start Push Button for MR-G Controller	CS960240000	1	135
Stop Push Button for MR-G Controller	CS961250000	1	165



Start Push Button

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
30A Ammeter Spare for MR-G Controller	CS960260000	1	380
Volt-Ammeter (30A, 300V AC) for MR-G Controller	CS960280000	1	615



Stop Push Button

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
Spare Lamp, MR-G Controller	CS961260000	1	55



Ammeter

Wiring Harness for MU-G/ MR-G Controllers

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
Wiring Harness, MU-G50	CS961270000	1	3605
Wiring Harness, MU-G30	CS961280000	1	2650
Wiring Harness, MU-G20 (SDz5 SPPR)	CS961290000	1	2020
Wiring Harness, MU-G10	CS961300000	1	915
Wiring Harness, MU-G6	CS961310000	1	645
Wiring Harness 4 sq. mm, MR-G2	CS961320000	1	965
Wiring Harness 2.5 sq. mm, MR-G2	CS961330000	1	745
Wiring Harness, MU-G10H	CS961340000	1	1185
Wiring Harness, MU-G20H	CS961350000	1	2155
Wiring Harness 2.5 sq. mm, MR-G2 Ammet + 2 run	CS961360000	1	860
Wiring Harness 2.5 sq. mm, MR-G2 Ammet + 1 run	CS961370000	1	840
Wiring Harness 2.5 sq. mm, MR-G2 Dual + 1 run	CS961380000	1	820
Wiring Harness 4 sq. mm, MR-G2 Ammeter + 2 run	CS961390000	1	990
Wiring Harness 4 sq. mm, MR-G2 Ammeter + 1 run	CS961400000	1	965
Wiring Harness 4 sq. mm, MR-G2 Dual + 1 run	CS961410000	1	945



Spare Lamp



MF-G1 Single Phase Submersible Pump Controllers



MF-G1

Starter Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Relay Range (A)	Cat. No.	Run Condenser 440V, 50Hz MFD	M.R.P. (₹) Per Unit
MF-G1 with Ammeter and Voltmeter	0.5 HP	6.5 - 11	SS977280OVC	1 x 25	2465
			SS977280OVE	1 x 36	
MF-G1 with Ammeter Only	0.5 HP	6.5 - 11	SS977340OVC	1 x 25	2255
			SS977340OVE	1 x 36	
MF-G1 with Ammeter and Voltmeter	1 HP	6.5 - 11	SS977300OVE	1 x 36	2560
			SS977300OVG	1 x 50	
MF-G1 with Ammeter Only	1 HP	6.5 - 11	SS977360OVE	1 x 36	2350
			SS977360OVG	1 x 50	
MF-G1 with Ammeter and Voltmeter	1 HP	12 - 20	SS97730 OOC E	1 x 36	2560
			SS97730OOC G	1 x 50	
MF-G1 with Ammeter Only	1 HP	12 - 20	SS97736OOC E	1 x 36	2350
			SS97736OOC G	1 x 50	
MF-G1 with Ammeter and Voltmeter	1.5 HP	6.5 - 11	SS977310OVG	1 x 50	2645
			SS977310OVF	2 x 36	
MF-G1 with Ammeter Only	1.5 HP	6.5 - 11	SS977370OVG	1 x 50	2435
			SS977370OVF	2 x 36	
MF-G1 with Ammeter and Voltmeter	1.5 HP	12 - 20	SS977310OCG	1 x 50	2645
			SS977310OCF	2 x 36	
MF-G1 with Ammeter Only	1.5 HP	12 - 20	SS977370OCG	1 x 50	2435
			SS977370OCF	2 x 36	
MF-G1 with Ammeter and Voltmeter	2 HP	12 - 20	SS977320OCG	1 x 50	2690
			SS977320OCF	2 x 36	
MF-G1 with Ammeter Only	2 HP	12 - 20	SS977380OCG	1 x 50	2480
			SS977380OCF	2 x 36	
			SS977380OCH	2 x 50	



Power Factor Correction Capacitors



Power Capacitors suitable for Agricultural Applications Box Capacitors

Description	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
1 kVAr	440V	LTBCA301B2	1	166
2 kVAr	440V	LTBCA302B2	1	332
3 kVAr	440V	LTBCA303B2	1	498
4 kVAr	440V	LTBCA304B2	1	664
5 kVAr	440V	LTBCA305B2	1	830
6 kVAr	440V	LTBCA306B2	1	996
7.5 kVAr	440V	LTBCA307B2	1	1245
8.33 kVAr	440V	LTBCA308B2	1	1383
10 kVAr	440V	LTBCA310B2	1	1660
12.5 kVAr	440V	LTBCA312B2	1	2075

Cylindrical Capacitors

Description	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
1 kVAr	440V	LTCCA301B2	1	138
2 kVAr	440V	LTCCA302B2	1	276
3 kVAr	440V	LTCCA303B2	1	414
4 kVAr	440V	LTCCA304B2	1	552
5 kVAr	440V	LTCCA305B2	1	690
6 kVAr	440V	LTCCA306B2	1	828
7.5 kVAr	440V	LTCCA307B2	1	1035
8.33 kVAr	440V	LTCCA308B2	1	1150
10 kVAr	440V	LTCCA310B2	1	1380
12.5 kVAr	440V	LTCCA312B2	1	1725

Cylindrical Capacitors with Clamps

Description	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
1 kVAr	440V	LTCCC301B2	1	145
2 kVAr	440V	LTCCC302B2	1	290
3 kVAr	440V	LTCCC303B2	1	435
4 kVAr	440V	LTCCC304B2	1	580
5 kVAr	440V	LTCCC305B2	1	725
6 kVAr	440V	LTCCC306B2	1	870
7.5 kVAr	440V	LTCCC307B2	1	1088
8.33 kVAr	440V	LTCCC308B2	1	1208
10 kVAr	440V	LTCCC310B2	1	1450
12.5 kVAr	440V	LTCCC312B2	1	1813



Submersible Flat Cable



Submersible Cables (Flat Cables) as per IS694:1990 (Extra Thick Insulation)

Nominal Cross Section Area of Conductor (Sq. mm)	Construction Details (mm)	Current Carrying Capacity at 40°C (A)	Cat. No. for 500 mts. Drum
1.5	22 / .3	14	WST0015PECM5
2.5	36 / .3	18	WST0025PECM5
4	56 / .3	26	WST0040PECM5

Submersible Cables (Flat Cables) as per IS694:1990 (Standard Insulation)

Nominal Cross Section Area of Conductor (Sq. mm)	Construction Details (mm)	Current Carrying Capacity at 40°C (A)	Cat. No. for 500 mts. Drum
1	14 / .3	11	WS00010PECM5
1.5	22 / .3	14	WS00015PECM5
2.5	36 / .3	18	WS00025PECM5
4	56 / .3	26	WS00040PECM5
6	84 / .3	31	WS00060PECM5
10	140 / .3	42	WS00100PECM5
16	226 / .3	57	WS00160PECM5
25	354 / .3	72	WS00250PECM5

Submersible Cables (Flat Cables) as per IS694:1990 (XLPE)

Nominal Cross Section Area of Conductor (Sq. mm)	Construction Details (mm)	Current Carrying Capacity at 40°C (A)	Cat. No. for 500 mts. Drum
1.5	22 / .3	14	WS00015XECEM5
2.5	36 / .3	18	WS00025XECEM5
4	56 / .3	26	WS00040XECEM5

Note:- For MRP of Flat Cable contact nearest branch office.

General Terms

All prices are on maximum retail price basis inclusive of Excise Duty and VAT / Sales Tax as applicable.

Prices are subject to revision without notice.

Warranty Policy

All the products listed in the price list carry a warranty, against manufacturing defects for a period of 18* months from the date of purchase.

Should the product prove to be defective due to faulty workmanship or otherwise, we will remedy the defect or replace the faulty parts or the whole product at our discretion, as soon as possible, free of cost.

The warranty is however subject to the provision of proper usage, efficient maintenance and does not cover defects arising out of fire, accident, inefficient maintenance, faulty operation and willful or accidental damage. It also does not cover damage to power electronic components like thyristors & IGBTs, which fail predominantly due to over-temperature & over-voltage. The user needs to take adequate precautions to eliminate these conditions. The manufacturer shall not be liable for any consequential loss, injury or damages attributable to defect or failure of its products.

Comprehensive Service Support

L&T has over four decades of experience in providing after sales service for low voltage distribution systems in every type of industry & commercial complex in India.

L&T offers the following services, partnering you in your maintenance of low voltage distribution products :

- Regular Maintenance
- Preventive Maintenance Programme
- On Call
- Annual Maintenance Contract
- Product Support for Managing Obsolescence - Retrofitting & Upgradation of your switchgear products

* Proof of purchase to be retained to avail warranty



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