



WINNER OF
DEMING PRIZE
2019

डिजिटल सक्षम स्मार्ट कृषि
डिजिटल सक्षम स्मार्ट शेती
डिजिटल सक्षम स्मार्ट कृषि
डिजिटल सक्षम स्मार्ट कृषि
डिजिटल सक्षम स्मार्ट कृषिकार्य
ଡିଜିଟାଲ୍ ସ୍ମାର୍ଟ କୃଷି
டிஜிட்டல் ஆற்றலுடன் ஸ்மார்ட் விவசாயம்
ಡಿஜிட்டல் சீஸ் தெரிவైన వ్యవసాయం
ഡിജിറ്റൽ എനേബിൾഡ് സ്മാർട്ട് അഗ്രികൾച്ചർ
ಡಿജிட்டல் ಶಕ್ತಿಯುತ ಸ್ಮಾರ್ಟ್ ಅಗ್ರಿಕಲ್ಚರ್
Digital Enabled Smart Agriculture



Maximum Retail Prices
Agricultural Electrical Products
Effective from : 01-07-2021



Good quality products and customer service, continuous improvement in processes, systems and capabilities are the hallmark of leaders in business.

The Electrical Standard Products (ESP) business and New Product Development (NPD) function of L&T Electrical & Automation (E&A) have been awarded the Deming Prize 2019, by JUSE (Union of Japanese Scientists and Engineers), Japan.

The Deming Prize is one of the highest awards on Total Quality Management (TQM) in the globe. It is presented to an organization that has implemented TQM suitable for its management philosophy, scope/type/scale of business and management environment.

The TQM activities of ESP were evaluated for establishment of customer oriented objectives and strategies & top management leadership, suitable utilisation and implementation of TQM, effects obtained regarding business objectives and demonstration of organizational capabilities.

E&A's ESP is the first low voltage switchgear manufacturer in India that has received this recognition.



LTLK Connect App

Connect Anywhere, Anytime...



Menu (top left icon)
Device type / Name (WheatF arm)
Signal strength of unit (top right bar chart)
Power (top right lightning bolt icon)
Pump status, Run time (11:56, Pump Runtime: 3 min)
Mode (Manual)
Press here to clear current faults (Healthy button)
Error Status / Supply Health (Healthy button)
Press here to Call the pump / unit (Phone icon)
Press here to access settings (Gear icon)
Press here to switch ON / OFF the pump (PumpOFF, PumpON buttons)
Press here to update dashboard (Refresh icon)

Dashboard (Home icon)

Click to change individual settings (Under Voltage, Voltage Single Phasing, Voltage Unbalance)
Click to update settings (Update button)

Click to customize individual facilities (POWER ON & OFF SMS, Call after Fault, SMS after Fault, Auto Balance SMS, Misscall Facility, IVRS Facility)
Click to update change (Update button)



One App for SMART Controller, Solar Controller and M-POWER Pro

Convenience of technology at your finger tips for remote operation



DIGITAL SINGLE PHASE CONTROLLER

Manual version

FEATURES

Auto version

- Microcontroller Based Solution
- Dry Run Protection
- UV/OV Protection
- Current, Voltage Metering
- Start & Run Capacitor
- Bypass Mode
- Off Timer
- Digital Display
- Capacitor cut-off
- Water Tank Status Indication
- Automatic Current Setting

- All features of Manual Version
- Inbuilt Water Level Controller
- WLC bypass feature
- Auto start capacitor switching
- Power on delay
- Dry Run auto reset timer
- Auto & Manual mode
- RTC based daily ON/OFF timer
- Timer count down display
- Cyclic timer
- Timer Compensation



The power of flexibility and versatility

M-POWER Pro

BENEFITS OF BOTH, COMMUNICATION & PROTECTION



Features :

Ease of operation: Ease and convenience in operating pump from anywhere, anytime through SMS, IVRS and LTKL Connect App.

Selective Protection: One can enable or disable each protection as per convenience. One can also change the voltage and current settings as per requirement.

Ease in monitoring: One can easily check important parameters such as pump status (ON / OFF), metering etc. at the comfort of one's home through LTKL Connect App.

Convenience in usage: The same device can be used with 3 phase DOL & Star - Delta starter, hence no additional device is needed.

Complete protection: Along with dry run fault protection (with dry run reset feature), it provides protection from over voltage, under voltage, single phasing or phase loss, phase reversal and phase unbalance faults.



Easy installation with only 3 wire connections



LTKL
Connect App



Product
videos

Technology at your finger tips

L&T Electrical & Automation, Electrical Standard Products

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L&T Electrical & Automation

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*Remote Operation

All L&T Electrical & Automation starters and controllers can be **remotely operated** through **M-POWER Pro and M-POWER+**

Note:

[Green colour : HSN code]

Current GST 18%, subject to changes as per Govt. notification

[Orange colour : HSN code]

Current GST 5%, subject to changes as per Govt. notification



Starters and Controllers Offerings & Composition

Offerings

HP Rating	DOL (Direct On-Line)													
	Starters											Controller		
	MK1	MK2	MF1	MU1	MU1H	MB1	MU2	MB2	MU3	ML1.5	ML2	MU-G6	MU-G10	MU-G10H
0.125			✓											
0.25 - 2	✓		✓											
3 - 6	✓		✓									✓	✓	
7.5	✓	✓	✓	✓	✓	✓				✓	✓		✓	
10				✓	✓	✓				✓	✓		✓	✓
12.5					✓		✓	✓		✓	✓			
15							✓	✓	✓	✓	✓			
17.5									✓		✓			
20											✓			

HP Rating	FASD (Fully Automatic Star-Delta)														
	Starters								Controller						
	MK1	MK2	MU1	MB1	ML1.5	MU2	MB2	ML2	MU-G15	MU-G20	MU-G20H	MU-G30	MU-G40	MU-G50	MU-G75
6 - 10	✓								✓						
12.5	✓		✓	✓	✓			✓	✓						
15	✓	✓	✓	✓	✓			✓	✓	✓					
20					✓	✓	✓	✓		✓	✓	✓			
25					✓	✓	✓					✓			
30						✓	✓	✓				✓	✓	✓	
35							✓					✓	✓	✓	
40												✓	✓	✓	
50														✓	✓
75															✓

HP Rating	SASD (Semi Automatic Star-Delta)							
	Starters							
	MK1	MK2	MU1	MB1	MU2	MB2	ML1.5	ML2
6 - 10	✓							
12.5	✓		✓	✓			✓	✓
15	✓	✓	✓	✓				
20					✓	✓	✓	✓
25					✓	✓	✓	
30					✓	✓		✓
35								✓



Starters and Controllers Offerings & Composition

Composition for DOL (Direct On-Line) Starters

		Relays used															
Starter Type	Relay Range (A)	1-1.6	1.5-2.5	2.5-4	4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	15-25	20-32	20-33	24-38	28-42
	MK1		MK1	MK1	MK1	MK1	MK1	MK1		MK1		MK1					
MK2											MK2			MK2			
MU1							MU2			MU2			MU2				
MU1H													MU2	MU2			
MU2										MU2				MU2		MU2	
MU3																MU2	MU2
MB1								MN2				MN2					
MB2												MN2			MN2		
ML1.5							ML2/3			ML2/3				ML2/3			
ML2							ML2/3			ML2/3				ML2/3			
		Contactors used															
MK1		MK1	MK1	MK1	MK1	MK1	MK1		MK1		MK1						
MK2											MK2			MK2			
MU1							MU1			MU1			MU1				
MU1H													MU1H	MU1H			
MU2										MU2				MU2		MU2	
MU3																MU3	MU3
MB1								MU1				MU1					
MB2												MU2			MU2		
ML1.5							ML1.5			ML1.5				ML1.5			
ML2							ML2			ML2				ML2			

Composition for SASD (Semi Automatic Star-Delta) Starters

		Relays used									
Starter Type	Relay Range (A)	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		
MK2								MK2		MK2	
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	
		Contactors Used									
MK1		MK1	MK1	MK1		MK1		MK1			
MK2								MK2		MK2	
MU1				MU1			MU1				
MU2							MU2			MU2	
MB1					MU1				MU1		
MB2									MU2		MU2
ML1.5				ML1.5			ML1.5			ML1.5	
ML2				ML2			ML2			ML2	



Starters and Controllers Offerings & Composition

Composition for FASD (Fully Automatic Star-Delta) Starters

		Relays used									
Relay Range (A)		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33
Starter Type											
MK1		MK1	MK1	MK1		MK1		MK1			
MK2								MK2		MK2	
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	
		Contactors used									
MK1		MK1	MK1	MK1		MK1		MK1			
MK2								MK2		MK2	
MU1				MU1			MU1				
MU2							MU2			MU2	
MB1					MU1				MU1		
MB2									MU2		MU2
ML1.5				ML1.5			ML1.5			ML1.5	
ML2				ML2			ML2			ML2	

Note: Timer used inside MK1 FASD is MK1 Timer with combination coil and in rest all of FASD starters, it is ST100 Timer.

Composition for Controllers

		Relays used												
Relay Range (A)		4-6.5	6-10	9-14	11-18	13-21	13-22	20-32	20-33	28-42	30-50	36-60	45-75	66-110
Controller Type														
MU-G6		MK1	MK1	MK1										
MU-G10		MU1	MU1	MU2		MU2								
MU-G10H							MU2		MU2					
MU-G15			MK1	MK1	MK1		MK1							
MU-G20				MU2		MU2								
MU-G20H							MU2		MU2					
MU-G30								MN5		MN5				
MUG40										MN5	MN5			
MU-G50										MN5		MN5	MN5	
MU-G75												MN5	MN5	MN5
		Contactors used												
MU-G6		MK1	MK1	MK1										
MU-G10		MU1	MU1	MU1		MU1								
MU-G10H							MU2		MU2					
MU-G15			MK1	MK1	MK1		MK1							
MU-G20				MU1		MU1								
MU-G20H							MU2		MU2					
MU-G30								ML2W		ML2W				
MUG40										ML3W	ML3W			
MU-G50										ML4W		ML4W		
MU-G75												ML6W	ML6W	ML6W
		Single Phase Preventer used												
MU-G6		Sz5	Sz5	Sz5										
MU-G10		Sz5	Sz5	Sz5		Sz5								
MU-G10H							Sz5		Sz5					
MU-G15			SDz5	SDz5	SDz5		SDz5							
MU-G20				SDz5		SDz5								
MU-G20H							SDz5		SDz5					
MU-G30								SDz5		SDz5				
MUG40										SDz5	SDz5			
MU-G50										SDz5		SDz5	SDz5	
MU-G75												SDz5	SDz5	SDz5



MK1 Starters



MK1 DOL Starters [HSN Code 8536]



Interior View of MK1 DOL

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
		Coil Voltage 360V-W (200V - 400V)	Coil Voltage 360V	Coil Voltage 400/440V		
0.25 HP	0.6 - 1			SS96210POKO	1	2458
0.5 HP	1 - 1.6		SS96210COMO	SS96210POMO	1	2458
1 HP	1.5 - 2.5		SS96210COPO	SS96210POPO	1	2458
2 HP	2.5 - 4		SS96210CORO	SS96210PORO	1	2458
4 HP	4 - 6.5	SS96210SOTO	SS96210COTO	SS96210POTO	1	2458
6 HP	6 - 10	SS96210SOVO	SS96210COVO	SS96210POVO	1	2458
7.5 HP	9 - 14	SS96210SOAO	SS96210COAO	SS96210POAO	1	2458
7.5 HP	11 - 18	SS96211SOCO	SS96211COCO	SS96211POCO	1	2521
7.5 HP	13 - 22	SS96228SODO	SS96228CODO	SS96228PODO	1	2585

Note: For Single Phase Starter application, please refer page no. 11

MK1 SASD Starters [HSN Code 8536]



Interior View of 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		1	8325
10 HP	6 - 10	SS96255COVO	SS96255POVO	1	8325
12.5 / 15 HP	9 - 14	SS96255COAO	SS96255POAO	1	8325
15 HP	11 - 18	SS96258COCO	SS96258POCO	1	8395
15 HP	13 - 22	SS96260CODO	SS96260PODO	1	8500

MK1 FASD Starters [HSN Code 8536]



Interior View of 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	9320
10 HP	6 - 10	SS96254COVO	SS96254POVO	1	9320
12.5 / 15 HP	9 - 14	SS96254COAO	SS96254POAO	1	9320
15 HP	11 - 18	SS96257COCO	SS96257POCO	1	9385
15 HP	13 - 22	SS96259CODO	SS96259PODO	1	9440



Spares for MK1 Starters



MK1 Spares

MK1 Spares [HSN Code 8538]

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 Spares	Spare kit with hardware (4 sets of contacts)	CS909830000	50	630
	Single moving contact	SS910090000	10	65
	Push button unit	SS900040000	1	120
	Arc shield	SS500040000	1	145
	Contact bridge without contact	SS500050000	1	130
	Aux. contact block: 1NO + 1NC	SS901200000	50	290
	Thermal timer without combination coil	SS902240000	1	785
	MK1 Cover Screw	XS000120000	1000	15



MK1 Standard Operating Coil

MK1 Coil [HSN Code 8538]

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 Standard Operating Coil	220V	SS900440000	10	240
	230 / 250V	SS900450000	10	240
	360V	SS901650000	10	240
	400 / 440V	SS900470000	10	240
Wide Band Coil	360V-W (200V - 400V)	SS909930000	10	270



MK1 Contactor

MK1 Contactors [HSN Code 8536]

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 Contactors	220V	SS95200K000	10	1750
	230 / 250V	SS95200N000	10	1750
	360V	SS95200C000	10	1750
	360V-W (200V - 400V)	SS95200S000	10	1750
	400 / 440V	SS95200P000	10	1750



MK1 Combination Coil

MK1 Combination Coil [HSN Code 8538]

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 Combination Coil	Combination coils for 400 / 440V	SS904430000	10	560
	Combination coils for 360V	SS904460000	10	560



MK1 Relay

MK1 Relays [HSN Code 8536]

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 Relays	0.6 - 1A	SS9003500KO	10	965
	1 - 1.6A	SS9003500MO	10	965
	1.5 - 2.5A	SS9003500PO	10	965
	2.5 - 4A	SS9003500RO	10	965
	4 - 6.5A	SS9003500TO	10	965
	6 - 10A	SS9003500VO	10	965
	9 - 14A	SS9003500AO	10	965
	11 - 18A	SS9003600CO	10	995
	13 - 22A	SS9188800DO	10	1095



MK2 Starters



MK2 DOL Starters [HSN Code 8536]



Interior View of MK2 DOL

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
		Coil Voltage 360V-W (200V - 400V)	Coil Voltage 360V	Coil Voltage 400/440V		
7.5 HP	13 - 22	CS90947SODO	CS90947CODO	CS90947PODO	1	2895
7.5 HP	20 - 32	CS90947SOEO	CS90947COEO	CS90947POEO	1	2895

MK2 SASD Starters [HSN Code 8536]



Interior View of MK2 SASD

Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.			Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
		Coil Voltage 360V-W (200V - 400V)	Coil Voltage 360V	Coil Voltage 400/440V		
15 HP	13-22	CS91582SODO	CS91582CODO	CS91582PODO	1	9305
15 HP	20-32	CS91582SOEO	CS91582COEO	CS91582POEO	1	9305

MK2 FASD Starters [HSN Code 8536]



Interior View of MK2 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 400/440V		
15 HP	13-22	CS91583CODO	CS91583PODO	1	10340
15 HP	20-32	CS91583COEO	CS91583POEO	1	10340

Spares for MK2 Starters [HSN Code 8538]



MK2 Spares

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK2 Spares	Spare kit with hardware (4 sets of contacts)	CS90956O000	50	895
	Single moving contact	CS90951O000	10	85
	Push button unit	SS90004O000	1	120
	Arc shield	CS91013O000	1	150
	Contact bridge without contact	CS91014O000	1	135

MK1 / MK2 Coil [HSN Code 8538]



MK1 / MK2 Standard Operating Coil

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK1 / MK2 Standard Operating Coil	220V	SS90044O000	10	240
	230 / 250V	SS90045O000	10	240
	360V	SS90165O000	10	240
	400 / 440V	SS90047O000	10	240
Wide Band Coil	360V-W (200V - 400V)	SS90993O000	10	270

MK2 Contactors [HSN Code 8536]



MK2 Contactor

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK2 Contactors	360V	CS90945COOO	10	1910
	360V-W (200V - 400V)	CS90945SOOO	10	1910
	400 / 440V	CS90945POOO	10	1910

MK2 Relays [HSN Code 8536]



MK2 Relay

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MK2 Relays	13 - 22A	CS90946OODO	10	1215
	20 - 32A	CS90946OOEO	10	1215



MU / MB Starters



MU / MB DOL Starters [HSN Code 8536]



Interior View of MU 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	4060
	10 HP	13 - 21	SS95647COCO	SS95647DOCO	10	4210
	10 HP	15 - 25	SS95647CODO	SS95647DODO	10	4295
MU1H DOL (with MU relay)	10 HP	15 - 25	CS90622CODO	CS90622DODO	10	4500
	12.5 HP	20 - 32	CS90622COEO	CS90622DOEO	10	4740
MU2 DOL (with MU relay)	12.5 HP	13 - 21	SS95648COCO	SS95648DOCO	10	5300
	15 HP	20 - 32	SS95648COEO	SS95648DOEO	10	5665
	15 HP	24 - 38	SS95648COGO	SS95648DOGO	10	5810
MU3 DOL (with MU relay)	15 HP	24 - 38	CS90613COGO	CS90613DOGO	10	6415
	17.5 HP	28 - 42	CS90613COFO	CS90613DOFO	10	6690
MB1 DOL (with MN relay)	7.5 HP	9 - 15	SS95649COBO	SS95649DOBO	8	4610
	10 HP	14 - 23	SS95649CODO	SS95649DODO	8	4730
MB2 DOL (with MN relay)	12.5 HP	14 - 23	SS95650CODO	SS95650DODO	8	6300
	15 HP	20 - 33	SS95650COEO	SS95650DOEO	8	6585

MU / MB SASD Starters [HSN Code 8536]



Interior View of MU 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	10995
	15 HP	13 - 21	SS95891COCO	SS95891DOCO	1	11145
MU2 SASD (with MU relay)	20 HP	13 - 21	SS95893COCO	SS95893DOCO	1	13910
	30 HP	20 - 32	SS95893COEO	SS95893DOEO	1	14245
MB1 SASD (with MN relay)	15 HP	14 - 23	SS95895CODO	SS95895DODO	1	13380
MB2 SASD (with MN relay)	20 HP	14 - 23	SS95897CODO	SS95897DODO	1	15805
	30 HP	20 - 33	SS95897COEO	SS95897DOEO	1	16110

Note:- For MU3 SASD, Please refer page no 16

MU / MB FASD Starters [HSN Code 8536]



Interior View of MU 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	12720
	15 HP	13 - 21	SS95890COCO	SS95890DOCO	1	12850
MU2 FASD (with MU relay)	20 HP	13 - 21	SS95892COCO	SS95892DOCO	1	15365
	30 HP	20 - 32	SS95892COEO	SS95892DOEO	1	15700
MB1 FASD (with MN relay)	12.5 HP	9 - 15	SS95894COBO	SS95894DOBO	1	14105
	15 HP	14 - 23	SS95894CODO	SS95894DODO	1	14250
MB2 FASD (with MN relay)	20 HP	14 - 23	SS95896CODO	SS95896DODO	1	17475
	30 HP	20 - 33	SS95896COEO	SS95896DOEO	1	17805

Note:- MN relay is with single phase prevention feature.

Note:- For MU3 FASD, Please refer page no 16



Spares for MU / MB Starters



MU1 Contactor



MU1H Contactor



MU2 Contactor



MU3 Contactor

MU Contactor [HSN Code 8536]

Component	AC3 Rating	AC1 Rating	Type	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU1 Contactor	16A	55A	MU1 360V	CS94007C000	10	2455
			MU1 415V	CS94007D000	10	2455
MU1H Contactor	20A	55A	MU1H 360V	CS90623C000	10	2630
			MU1H 415V	CS90623D000	10	2630
MU2 Contactor	25A	63A	MU2 360V	CS94008C000	10	3495
			MU2 415V	CS94008D000	10	3495
MU3 Contactor	32A	63A	MU3 360V	CS90609C000	10	4175
			MU3 415V	CS90609D000	10	4175



MU1 Relay



MU2 Relay

MU Relay [HSN Code 8536]

Component	Type	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU1 Relay	4 - 6.5A	SS96557OOTO	1	1220
	6 - 10A	SS96557OOVO	1	1220
MU2 Relay	9 - 14A	SS95979OOAO	1	1390
	13 - 21A	SS95979OOCO	1	1475
	15 - 25A	SS95979OODO	1	1605
	20 - 32A	SS95979OOEO	1	1825
	24 - 38A	SS95979OOGO	1	1980
	28 - 42A	SS95979OOFO	1	2150



MU Contact Bridge

MU Contactor Spares [HSN Code 8538]

Type	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU1 contact bridge	CS94994O000	10	155
MU1H contact bridge	CS91099O000	10	155
MU2 contact bridge	CS94994O000	10	155
MU3 contact bridge	CS91096O000	10	155
MU1 single moving contact	CS94995O000	1	145
MU1H single moving contact	CS91102O000	1	210
MU2 single moving contact	CS94996O000	1	290
MU3 single moving contact	CS91103O000	1	390
MU-Add ON Block - 1NO + 1NC (LHS)	SS94072O000	10	275



MU Spare Kit



MU Coil

Spares For MU / MB [HSN Code 8538]

Component	Type	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Spare Kit	MU1	CS94010O000	1	985
	MU1H	CS90624O000	1	1335
	MU2	CS94011O000	1	1830
	MU3	CS90612O000	1	2330
MU Coils	240V	CS94009B000	10	525
	360V	CS94009C000	10	525
	415V	CS94009D000	10	525
Spare Relay Extension Knob (Pack of 20 Nos.)	MU1	CS94336O000	1	120
	MU2	CS94337O000	1	120
Spare Housing	MU1	CS94998O000	10	320
	MU1H	CS91098O000	10	320
	MU2	CS94999O000	10	320
	MU3	CS91060O000	10	320



MU Spare Housing



Relay Extension Knob



ML Starters



ML DOL Starters [HSN Code 8536]



Interior View of ML 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 440V		
ML1.5 DOL	7.5 HP	9 - 14	SS91854COAO	SS91854POAO	1	7810
	12.5 HP	13 - 21	SS91854COCO	SS91854POCO	1	7810
	15 HP	20 - 32	SS91854COEO	SS91854POEO	1	7810
ML2 DOL (Heavy duty)	7.5 HP	9 - 14		SS90702POAO	1	13455
	10/12.5 HP	13 - 21	SS90702COCO	SS90702POCO	1	13455
	20 HP	20 - 32	SS90702COEO	SS90702POEO	1	13455



Interior View of ML SASD

ML SASD Starters [HSN Code 8536]

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 440V		
ML1.5 SASD	20 HP	13 - 21	SS91856COCO	SS91856POCO	1	19095
	25 HP	20 - 32	SS91856COEO	SS91856POEO	1	19095
ML2 SASD (Heavy duty)	20 HP	13 - 21	SS90707COCO	SS90707POCO	1	33715
	35 HP	20 - 32	SS90707COEO	SS90707POEO	1	33715



Interior View of ML FASD

ML FASD Starters [HSN Code 8536]

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 440V		
ML1.5 FASD	12.5 HP	9 - 14	SS91855COAO	SS91855POAO	1	21680
	20 HP	13 - 21	SS91855COCO	SS91855POCO	1	21680
	25 HP	20 - 32	SS91855COEO	SS91855POEO	1	21680
ML2 FASD (Heavy duty)	12.5 HP	9 - 14		SS90705POAO	1	35085
	20 HP	13 - 21	SS90705COCO	SS90705POCO	1	35085
	35 HP	20 - 32	SS90705COEO	SS90705POEO	1	35085



Spares For ML Starters



ML1.5 Contactor

ML Contactor [HSN Code 8536]

Component	Type	AC3 Rating (A)	AC1 Rating (A)	Aux. Contacts	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
ML Contactor	ML1.5	25	25	2 NO + 2 NC	SS91851C000	1	3720
	ML2W	32	40	2 NO + 2 NC	CS96005L000	1	7200
	ML3W	40	45	2 NO + 2 NC	CS90907L000	1	10625
	ML4W	70	100	2 NO + 2 NC	CS96006L000	1	17375
	ML6W	110	125	2 NO + 2 NC	CS90168L000	1	27420



Standard Operating Coil ML1.5

ML Coil [HSN Code 8538]

Component	Voltage	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Standard Operating Coils for ML1.5	240V	SS90873B000	10	840
	360V	SS90873C000	10	840
	380V	SS90873L000	10	840
	440V	SS90873P000	10	840
Standard Operating Coils for ML2/ML2W/ML3/ML3W Contactor	240V	SS90545B000	10	1410
	360V	SS90545C000	10	1410
	380V	SS90545L000	10	1410
	440V	SS90545P000	10	1410
Standard Operating Coils for ML4/ML4W Contactor	240V	SS91258B000	10	2690
	360V	SS91258C000	10	2690
	380V	SS91258L000	10	2690
	440V	SS91258P000	10	2690



Standard Operating Coil ML2 / ML3

ML1.5 [HSN Code 8538]

Spare kit without coil	ML1.5	SS95305O000	50	2160
Moving contacts kit	ML1.5	SS92817O000	10	630
Front Housing & Moving Bridge kit	ML1.5	ST28734O000	10	695



Spare kit

ML2 [HSN Code 8538]

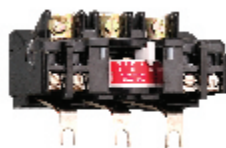
Spare kit without coil	ML2	SS95307O000	10	3515
Moving contacts kit	ML2	SS92818O000	10	950
Front Housing & Moving Bridge kit	ML2	ST23866O000	10	950

ML Relay [HSN Code 8536]

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
(Directly Operated) Direct Mounting	ML1			
	4 - 6.5	SS91858OOTO	10	2575
	6 - 10	SS91858OOVO	10	2575
(Directly Operated) Direct Mounting	10 - 16	SS91858OOBO	10	2575
	ML2 / ML3			
	9 - 14	SS91859OOAO	2	3800
	13 - 21	SS91859OOCO	2	3800
	20 - 32	SS91859OOEO	2	3800
	28 - 42	SS91859OOF0	2	3800



ML1 Relay



ML2 / ML3 Relay



Single Phase / Three Phase Starters



MU-2P Single Phase Starters [HSN Code 8536]



Interior View of MU-2P DOL Starter

Suitable for Pump/Motor 1Ø, 230V, 50Hz	Relay Range (A)	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
0.125 HP	1 - 1.6	CS90319KOMO	1	2095
0.25 HP	1.5 - 2.5	CS90319KOPO	1	2095
0.5 HP	2.5 - 4	CS90319KORO	1	2095
0.75 HP	4 - 6.5	CS90319KOTO	1	2095
1 HP	6 - 10	CS90319KOVO	1	2095
2 HP	9 - 14	CS90319KOAD	1	2095
2 HP	11 - 18	CS90319KOCO	1	2105
3 HP	13 - 22	CS90319KODO	1	2135



Interior View of MF1 DOL - 1Ø Starter

MF1 Single Phase Starters [HSN Code 8536]

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	1425
1.25 HP	6.5 - 11	SS97227OOVO	1	1425
2 HP	10.5 - 17.5	SS97227OOBO	1	1425
3 HP	12 - 20	SS97227OOCO	1	1425



Interior View of MF1 DOL - 3Ø Starter

MF1 Three Phase Starters [HSN Code 8536]

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	SS972100OHO	1	1860
0.25 HP	0.6 - 1	SS972100OKO	1	1860
0.5 HP	1 - 1.6	SS972100OMO	1	1860
1.25 HP	1.5 - 2.5	SS972100OPO	1	1860
2 HP	2.5 - 4	SS972100ORO	1	1860
4 HP	4 - 6.5	SS972100OTO	1	1860
6 HP	6 - 10	SS972100OVO	1	1860
7.5 HP	9 - 15	SS972100OBO	1	1860
7.5 HP	11 - 18	SS972100OCO	1	1860



MU - Automatic DOL Starters



MU-Automatic DOL Starter [HSN Code 8536]



Interior View of MU-A 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		
MU-1A DOL (with Sz5 SPPR)	7.5 HP	9 - 14	CS90898COAO	CS90898DOAO	1	5805
	10 HP	13 - 21	CS90898COCO	CS90898DOCO	1	5905
	10 HP	15 - 25	CS90898CODO	CS90898DODO	1	6025
MU-1HA DOL (with Sz5 SPPR)	10 HP	15 - 25	CS90899CODO	CS90899DODO	1	6170
	12.5 HP	20 - 32	CS90899COEO	CS90899DOEO	1	6350
MU-2A DOL (with Sz5 SPPR)	12.5 HP	13 - 21	CS90900COCO		1	6995
	15 HP	20 - 32	CS90900COEO	CS90900DOEO	1	7275
	15 HP	24 - 38	CS90900COGO	CS90900DOGO	1	7395
MU-3A DOL (with Sz5 SPPR)	15 HP	24 - 38	CS90901COGO	CS90901DOGO	1	7760
	17.5 HP	28 - 42	CS90901COFO	CS90901DOFO	1	7945



MF-G1 Single Phase Submersible Pump Controllers

MF-G1 Controller [HSN Code 8536]



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	SS97728OOVE	1 x 36	3355
MF-G1 with Ammeter Only	0.5 HP	6.5 - 11	SS97734OOVC	1 x 25	3080
MF-G1 with Ammeter and Voltmeter	1 HP	6.5 - 11	SS97730OOVE	1 x 36	3495
			SS97730OOVG	1 x 50	
MF-G1 with Ammeter Only	1 HP	6.5 - 11	SS97736OOVE	1 x 36	3220
			SS97736OOVG	1 x 50	
MF-G1 with Ammeter and Voltmeter	1 HP	12 - 20	SS97730 OOCE	1 x 36	3495
			SS97730OOCG	1 x 50	
MF-G1 with Ammeter Only	1 HP	12 - 20	SS97736OOCE	1 x 36	3220
			SS97736OOCG	1 x 50	
MF-G1 with Ammeter and Voltmeter	1.5 HP	6.5 - 11	SS97731OOVG	1 x 50	3605
			SS97731OOVF	2 x 36	
MF-G1 with Ammeter Only	1.5 HP	6.5 - 11	SS97737OOVF	2 x 36	3330
MF-G1 with Ammeter and Voltmeter	1.5 HP	12 - 20	SS97731OOCG	1 x 50	3605
			SS97731OOCF	2 x 36	
MF-G1 with Ammeter Only	1.5 HP	12 - 20	SS97737OOCG	1 x 50	3330
			SS97737OOCF	2 x 36	
MF-G1 with Ammeter and Voltmeter	2 HP	12 - 20	SS97732OOCG	1 x 50	3670
			SS97732OOCF	2 x 36	
MF-G1 with Ammeter Only	2 HP	12 - 20	SS97738OOCG	1 x 50	3380
			SS97738OOCF	2 x 36	
			SS97738OOCH	2 x 50	

LTLK MCBs with K-Curve Exclusively for Agricultural Pumps



- K-Curve MCBs offers effective short circuit protection for Submersible pumps
- Available in range : 6A to 125A - 2 Pole & 3 Pole



Eliminates
"Fuse wire"
Replacement



Easy to Resume
Supply by
Switching



Saves
Replacement
Time & Money



Longer Life



Safe To
Operate



Easy to switch
ON/OFF during
Maintenance



SOLAR Controller



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Features:

- ◆ With Maximum Power Point Tracking (MPPT) to deliver maximum water during the day
- ◆ Grid compatible: Can be operated on Solar or on Grid power supply
- ◆ Remote ON/OFF, parameter setting, monitoring and trouble shooting through mobile (In-built GSM, GPS and GPRS), LTLK Connect android app
- ◆ Reverse Polarity Compatibility: Error proofed, even you connect solar output with any polarity to the panel
- ◆ Automatic Start / Stop as per Sun-ray intensity
- ◆ With in-built 4P and 3P MCB for Solar and Grid mode
- ◆ Suitable for outdoor installation
- ◆ Factory prewired panel ensures easy installation and less maintenance

MU-G SOLAR Controller [HSN Code 8504]

Suitable for AC Induction Pump/Motor 3Ø, 400V/415V, 50Hz	Product	Cat. No.	Description	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
3 HP	MU-G3 SOLAR	CS91463PT10	MU-G3 SOLAR Controller with RMU	1	43000
		CS91463PO10	MU-G3 SOLAR Controller without RMU	1	38700
5 HP	MU-G5 SOLAR	CS91464PT10	MU-G5 SOLAR Controller with RMU	1	46335
		CS91464PO10	MU-G5 SOLAR Controller without RMU	1	41820
7.5 HP	MU-G7.5 SOLAR	CS91465PT10	MU-G7.5 SOLAR Controller with RMU	1	68800
		CS91465PO10	MU-G7.5 SOLAR Controller without RMU	1	64285
10 HP	MU-G10 SOLAR	CS91466PT10	MU-G10 SOLAR Controller with RMU	1	71705
		CS91466PO10	MU-G10 SOLAR Controller without RMU	1	67190

SOLAR Drive [HSN Code 8504]

Suitable for AC Induction Pump/Motor 3Ø, 400V/415V, 50Hz	Product	Cat. No.	Description	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
3 HP	Solar Drive	LTVF-P40007BAA	Px2000 Solar Drive for MU-G3 SOLAR	1	24500
5 HP		LTVF-P40010BAA	Px2000 Solar Drive for MU-G5 SOLAR	1	27500
7.5 HP		LTVF-P40016BAA	Px2000 Solar Drive for MU-G7.5 SOLAR	1	45800
10 HP		LTVF-P40023BAA	Px2000 Solar Drive for MU-G10 SOLAR	1	53000

SOLAR Controller Spares [HSN Code 8538]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Remote Monitoring Unit (RMU) Module	CS914670000	1	6500
Solar Controller ON/OFF Push Button	XM815370000	1	495

SMART CONTROLLER

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- Star Delta SMART Controller: With or without WLC
- All Benefits of SMART Controller
- Suitable for 15 hp to 75 hp application

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Upcoming SMART Controller

Three Phase Star Delta SMART Controller

MU-G15S FASD & MU-G15HS FASD SMART Controller

Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)
			Coil Voltage 360-W (200V-400V)	Coil Voltage 400/440V	
MU-G15S	15 HP	4 - 22	CS91529C*DO	CS91529P*DO	1
MU-G15HS	15 HP	13 - 32	CS91530C*EO	CS91530P*EO	1

MU-G20S FASD, MU-G20HS FASD & MU-G25S FASD SMART Controller

Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)
			Coil Voltage 360V	Coil Voltage 415V	
MU-G20S	20 HP	4 - 22	CS91531C*DO	CS91531D*DO	1
MU-G20S	20 Hp	13 - 32	CS91531C*EO	CS91531D*EO	1
MU-G20HS	20 HP	13 - 42	CS91532C*FO	CS91532D*FO	1
MU-G25S	20 HP	24 - 42	CS91533C*FO	CS91533D*FO	1

MU-G30S FASD & MU-G40S FASD SMART Controller

Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)
			Coil Voltage 380V		
MU-G30S	30 HP	20 - 50	CS91651L*GO		1
MU-G40S	40 Hp	30 - 60	CS91652L*TO		1

MU-G50S FASD & MU-G75S FASD SMART Controller

Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)
			Coil Voltage 380V		
MU-G50S	50 HP	30 - 75	CS91653L*JO		1
MU-G75S	75 HP	45 - 90	CS91654L*KO		1

* N for North language version with English, Hindi, Marathi, Gujarati & Punjabi languages

* S for South language version with English, Hindi, Kannada, Telugu & Tamil languages

* E for North language version with English, Hindi, Assamese, Odia & Bengali languages

MU3 Three Phase Star Delta Starters

With MU3 Contactor & MU Relay

MU SASD Starters [HSN Code 8536]

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		
MU3 SASD (With MU Relay)	35 HP	24 - 38	CS91885COGO	CS91885DOGO	1	17150
MU3 SASD (With MU Relay)	35 HP	28 - 42	CS91886COFO	CS91886DOFO	1	17310

MU FASD Starters [HSN Code 8536]

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		
MU3 FASD (With MU Relay)	35 HP	24 - 38	CS91887COGO	CS91887DOGO	1	18815
MU3 FASD (With MU Relay)	35 HP	28 - 42	CS91888COFO	CS91888DOFO	1	18975



SMART Controller



Features:

- ◆ In-built anti-theft protection, gives emergency alert to your mobile when someone steals your pump, cable or controller
- ◆ With Dry Run, Locked Rotor and Short Circuit protection (Inbuilt LTLK MCB)
- ◆ Voltage and current based protection for all faults with individual protection Enable/Disable feature
- ◆ Inbuilt hour based and Real Time Clock based timers with time compensation feature
- ◆ With Line Voltage, Phase Current, Power Factor, Power, Energy metering and total run time information for your pump
- ◆ Complete operation (Remote ON/OFF, parameter setting, monitoring and troubleshooting) through SMS or LTLK Connect Mobile App or IVRS
- ◆ Available in Hindi, Gujarati, Marathi, Tamil, Telugu, Kannada, Malayalam, Bengali, Oriya, Punjabi and English languages with different language selection for individual users
- ◆ Microcontroller based technology
- ◆ Easy installation with factory fitted complete wiring and terminal block, need to connect only the supply and motor wires



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MU-G6S SMART Controller [HSN Code 8536]

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 3Ø, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
					Coil Voltage 360V-W (200V-400V)	Coil Voltage 400/440V		
Central	English, Hindi, Kannada, Telugu, Punjabi	MU-G6S	6 HP	4 - 22	CS91206CCDO	CS91206PCDO	1	17440
South	English, Hindi, Kannada, Telugu, Tamil	MU-G6S	6 HP	4 - 22	CS91206CSDO	CS91206PSDO	1	17440
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G6S	6 HP	4 - 22	CS91206CNDO	CS91206PNDO	1	17440
East	English, Hindi, Odia, Assamese, Bengali	MU-G6S	6 HP	4 - 22	CS91206CEDO	CS91206PEDO	1	17440

MU-G10S & MU-G10HS SMART Controller [HSN Code 8536]

Suitable Region	IVRS Languages	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		
Central	English, Hindi, Kannada, Telugu, Punjabi	MU-G10S	10	4 - 22	CS91205CCDO	CS91205DCDO	1	18465
		MU-G10HS	10	20 - 42	CS91207CCFO	CS91207DCFO	1	19485
South	English, Hindi, Kannada, Telugu, Tamil	MU-G10S	10	4 - 22	CS91205CSDO	CS91205DSDO	1	18465
		MU-G10HS	10	20 - 42	CS91207CSFO	CS91207DSFO	1	19485
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G10S	10	4 - 22	CS91205CNDO	CS91205DNDO	1	18465
		MU-G10HS	10	20 - 42	CS91207CNFO	CS91207DNFO	1	19485
East	English, Hindi, Odia, Assamese, Bengali	MU-G10S	10	4 - 22	CS91205CEDO	CS91205DEDO	1	18465
		MU-G10HS	10	20 - 42	CS91207CEFO	CS91207DEFO	1	19485

SMART Controller Spares [HSN Code 8538]

Description	Cat. No.	Std.Pkg.(Nos.)	M.R.P.(₹) Per Unit
<i>i</i> -Smart for DOL without WLC	CS914130*OO	1	14825
Spare CT Assembly DOL (And FASD Upto 25 HP)	CS910950000	1	1130
Spare Battery Pack	CS914170000	1	1140

Please write S for South, N for North and E for East language variants in place of * in the *i*-Smart ordering CAT No.



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



MU-G6 DOL (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G6 DOL

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-W (200V-400V)	SS97756COTO	1	7280
	5 HP	6 - 10	360V-W (200V-400V)	SS97756COVO	1	7280
	6 HP	9 - 14	360V-W (200V-400V)	SS97756COAO	1	7280

MU-G10 DOL (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G10 DOL

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	8340
	5	3.7	6 - 10	SS95983COVO	SS95983DOVO	1	8340
	6	4.5	9 - 14	SS95983COAO	SS95983DOAO	1	8465
	7.5/10	5.5/7.5	13 - 21	SS95983COCO	SS95983DOCO	1	8575
MU-G10H DOL (Heavy duty)	10	7.5	20 - 32	SS95974COEO	SS95974DOEO	1	9645
	10	7.5	28 - 42	SS95974COFO	SS95974DOFO	1	9940

MU-G15 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G15 FASD

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-W (200V - 400V)		
MU-G15 FASD	7.5	5.5	6 - 10	CS94091SOVO	1	13990
	10	7.5	9 - 14	CS94091SOAO	1	13990
	15	11	11 - 18	CS94091SOCO	1	14115
	15	11	13 - 22	CS94091SODO	1	14175

MU-G20 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G20 FASD

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	10	7.5	9 - 14	SS95984COAO	SS95984DOAO	1	16505
	15/20	11/15	13 - 21	SS95984COCO	SS95984DOCO	1	16595
MU-G20H FASD (Heavy duty)	20	15	20 - 32	SS95975COEO	SS95975DOEO	1	20230
	20	15	28 - 42	SS95975COFO	SS95975DOFO	1	20660



MU-G30 / 40 / 50 / 75 Three Phase Submersible Pump Controller (with Single Phase Preventer)



With ML Contactor & MN5 Relay



Interior View of MU-G30 FASD

MU-G30 FASD (With Wideband Coil) [HSN Code 8536]

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	32510
	30 HP	30 - 50	380V	CS96008COGO	1	33280



Interior View of MU-G40 FASD

MU-G40 FASD (With Wideband Coil) [HSN Code 8536]

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-G40 FASD	30 HP	30 - 50	380V	CS90908LOGO	1	39990
	40 HP	36 - 60	380V	CS90908LOTO	1	40660



Interior View of MU-G50 FASD

MU-G50 FASD (With Wideband Coil) [HSN Code 8536]

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	53365
	50 HP	45 - 75	380V	CS96009COJO	1	54980



Interior View of MU-G75 FASD

MU-G75 FASD (With Wideband Coil) [HSN Code 8536]

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	76295
	75 HP	66 - 110	380V	CS96451LOKO	1	76295

Spare MN Relay [HSN Code 8536]



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)	6 - 10	SS941420OVO	10	1475
	9 - 15	SS941420OBO	10	1480
Direct Mounting	14 - 23	SS941440ODO	10	1615
	20 - 33	SS941450OEO	10	2380
MN 5				
(Directly Operated)	20 - 33	SS941360OEO	10	2985
	30 - 50	SS941360OGO	10	3605
Direct Mounting	36 - 60	SS941360OTO	10	3915
	45 - 75	SS941370OJO	10	4200
	66 - 110	SS941370OKO	10	4795



MU-G 10W / 20W / 30W Three Phase Submersible Controller (with WLC & SPPR)



MU-G10W DOL (With Wideband Coil) [HSN Code 8536]



Interior View of
MU-G10W DOL

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-G10W DOL with in-built WLC	3	2.2	4 - 6.5	CS91037COTO	CS91037DOTO	1	10950
	5	3.7	6 - 10	CS91037COVO	CS91037DOVO	1	10950
	7.5	5.5	9 - 14	CS91037COAO	CS91037DOAO	1	11080
MU-G10W DOL (Heavy duty) with in-built WLC	10	7.5	13 - 21	CS91037COCO	CS91037DOCO	1	11180
	10	7.5	20 - 32		CS91037DOEO	1	12360
	10	7.5	28 - 42	CS91037COFO		1	12625

MU-G20W FASD (With Wideband Coil) [HSN Code 8536]



Interior View of
MU-G20W FASD

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-G20W FASD with in-built WLC	15	11	9 - 14		CS91038DOAO	1	19260
	20	15	13 - 21	CS91038COCO	CS91038DOCO	1	19340
MU-G20W FASD (Heavy duty) with in-built WLC	20	15	20 - 32	CS91038COEO	CS91038DOEO	1	22640
	20	15	28 - 42		CS91038DOFO	1	23070

MU-G30W FASD (With Wideband Coil) [HSN Code 8536]



Interior View of
MU-G30W FASD

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-G30W FASD with in-built WLC	30 HP	30 - 50	380V	CS91039COGO	1	35805



Spares for MU-G Submersible Pump Controller



Terminal Block
60A-3 Way

Terminal Block
30A-5 Way



Terminal Block
100A-3 Way



Indicating Lamp
Red & Green



Rocker Switch



Volt-Ammeter



SPPR Type Sz5 (7 Wire & 6 Wire)



SPPR Type SDz5

With Settable Time
ON Delay
30sec - 5min

With Settable Time
ON Delay
30sec - 5min

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



Timer
ST100

Terminal Block [HSN Code 8538]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Terminal Block 30A - 5 way (For MR-G2)	CS960320000	1	215
Terminal Block 60A - 3 way (For MU-G10/20)	CS948060000	1	180
Terminal Block 100A - 3 way (For MU-G30/50)	CS943380000	1	1090
Terminal Block 125A - 3 way (For MU-G75)	CS901720000	1	3995

Indicating lamp [HSN Code 8531]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Indicating lamp Red 415V	CS94810D000	1	295
Indicating lamp Green 415V	CS94812D000	1	295
Spare Lamp, MR-G Controller	CS961260000	1	65

Rocker switch [HSN Code 8538]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Rocker switch (For MU-G6 to MU-G20)	CS902840000	1	75
Rocker switch (For MU-G30 to MU-G75)	CS902720000	1	130
Voltage selector switch	CS943350000	1	410

Volt-Ammeter [HSN Code 9030]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Volt-Ammeter 500V 30A	CS94817E0EO	1	1240
Volt-Ammeter 500V 60A	CS94817E0TO	1	1295
Volt-Ammeter 500V, 0-75A	CS900550000	1	1295
Volt-Ammeter 500V, 0-100A	CS900560000	1	1295
Volt-Ammeter 500V, 0-125A	CS900570000	1	1295
30A Ammeter Spare for MR-G Controller	CS960260000	1	545
Volt-Ammeter (30A, 300V AC) for MR-G Controller	CS960280000	1	940

SPPR [HSN Code 9032]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
SPPR type Sz5 (7 Wire), 380V	ST921660000	1	865
SPPR type Sz5 (6 Wire), 360V (For MU-G10/10H)	CS94824C000	1	865
SPPR type Sz5 (6 Wire), 380V (For MU-G6)	CS94824L000	1	865
SPPR type Sz5 (6 Wire), 415V (For MU-G10/10H)	CS94824D000	1	865
SPPR type SDz5, 360V (For MU-G20/20H)	XM818080000	1	1625
SPPR type SDz5, 380V (For MU-G30/40/50/75)	XM818070000	1	1625
SPPR type SDz5, 415V (For MU-G15/20/20H)	XM818090000	1	1625

ON-OFF Plugs [HSN Code 8538]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Spare plug MU-G6 (Bulk of 10)	ST155910000	1	85
Spare plug MU-10 (Bulk of 10)	ST155920000	1	90
Spare plug MU-15 (Bulk of 10)	ST155930000	1	105
Spare plug MU-20 (Bulk of 10)	ST155940000	1	105
Spare plug MU-30 (Bulk of 10)	ST155950000	1	110
Spare plug MU-75 (Bulk of 10)	ST155970000	1	115

Electronic Star-Delta Timer [HSN Code 9107]

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	1765

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



MR-Gi Digital Single Phase Controllers - Manual & Auto



Manual version FEATURES Auto version



Manual version	FEATURES	Auto version
Microcontroller Based Solution		All features of Manual Version
Dry Run Protection		Inbuilt Water Level Controller
UV/OV Protection		WLC bypass feature
Current, Voltage Metering		Auto start capacitor switching
Start & Run Capacitor		Power on delay
Bypass Feature		Dry Run auto reset timer
Off Timer		Auto & Manual mode
Digital Display		RTC based daily ON/OFF timer
Capacitor cut-off		Timer count down display
Water Tank Status Indication		Cyclic timer
Automatic Current Setting		Timer Compensation



MR-Gi (Manual) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz MFD	Run Capacitor 440V, 50Hz MFD	M.R.P. (₹) Per Unit
MR-Gi (Manual)	0.5 Hp	CS91321NAOC	80 / 100	1 x 25	3700
		CS91321NAOE	80 / 100	1 x 36	
	1 Hp	CS91322NBOE	100 / 120	1 x 36	3890
		CS91322NBOG	100 / 120	1 x 50	
		CS91322NCOE	120 / 150	1 x 36	
		CS91322NCOG	120 / 150	1 x 50	
	1.5 Hp	CS91323NCOG	120 / 150	1 x 50	4070
		CS91323NCOF	120 / 150	2 x 36	
		CS91323NCOJ	120 / 150	1 x 72	
		CS91323NDOG	150 / 200	1 x 50	
		CS91323NDOF	150 / 200	2 x 36	
	2 Hp	CS91324NDOF	150 / 200	2 x 36	4250
		CS91324NDOH	150 / 200	2 x 50	
		CS91324NDOJ	150 / 200	1 x 72	
		CS91324NEOF	200 / 250	2 x 36	
CS91324NEOG		200 / 250	1 x 50		
CS91324NEOJ		200 / 250	1 x 72		
3 Hp	CS91325NEOH	200 / 250	2 x 50	4425	

MR-GiB (Auto) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz MFD	Run Capacitor 440V, 50Hz MFD	M.R.P. (₹) Per Unit
MR-GiB (Auto)	0.5 Hp	CS91718NAOC	80 / 100	1 x 25	4655
		CS91718NAOE	80 / 100	1 x 36	
	1 Hp	CS91719NBOE	100 / 120	1 x 36	4825
		CS91719NBOG	100 / 120	1 x 50	
		CS91719NCOE	120 / 150	1 x 36	
		CS91719NCOG	120 / 150	1 x 50	



MR-Gi Digital Single Phase Controllers - Manual & Auto



MR-GiB (Auto) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz MFD	Run Capacitor 440V, 50Hz MFD	M.R.P. (₹) Per Unit
MR-GiB (Auto)	1.5 Hp	CS91720NCOG	120 / 150	1 x 50	4995
		CS91720NCOF	120 / 150	2 x 36	
		CS91720NCOJ	120 / 150	1 x 72	
		CS91720NDOG	150 / 200	1 x 50	
		CS91720NDOF	150 / 200	2 x 36	
	2 Hp	CS91721NDOF	150 / 200	2 x 36	5185
		CS91721NDOH	150 / 200	2 x 50	
		CS91721NDOJ	150 / 200	1 x 72	
		CS91721NEOF	200 / 250	2 x 36	
		CS91721NEOG	200 / 250	1 x 50	
3 Hp	CS91721NEOJ	200 / 250	1 x 72	5360	
CS91722NEOH	200 / 250	2 x 50			

MR-GiA (Auto with WLC) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz MFD	Run Capacitor 440V, 50Hz MFD	M.R.P. (₹) Per Unit
MR-GiA (Auto with WLC)	0.5 Hp	CS91331NAOC	80 / 100	1 x 25	5130
		CS91331NAOE	80 / 100	1 x 36	
	1 Hp	CS91332NBOE	100 / 120	1 x 36	5305
		CS91332NBOG	100 / 120	1 x 50	
		CS91332NCOE	120 / 150	1 x 36	
		CS91332NCOG	120 / 150	1 x 50	
	1.5 Hp	CS91333NCOG	120 / 150	1 x 50	5480
		CS91333NCOF	120 / 150	2 x 36	
		CS91333NCOJ	120 / 150	1 x 72	
		CS91333NDOG	150 / 200	1 x 50	
	2 Hp	CS91333NDOF	150 / 200	2 x 36	5650
		CS91334NDOF	150 / 200	2 x 36	
		CS91334NDOH	150 / 200	2 x 50	
		CS91334NDOJ	150 / 200	1 x 72	
		CS91334NEOF	200 / 250	2 x 36	
CS91334NEOG		200 / 250	1 x 50		
3 Hp	CS91334NEOJ	200 / 250	1 x 72	5840	
CS91335NEOH	200 / 250	2 x 50			

Digital Single Phase Controller Spares [HSN Code 8538]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
Spare start switch (Manual Version)	CS9136300000	1	195
Spare stop switch (Manual Version)	CS9136400000	1	140
Mounting kit accessory	CS9136500000	1	125
Spare 5 way terminal block	CS9136600000	1	150
Spare 2 way terminal block	CS9136700000	1	110

Digital Single Phase Controller Spares [HSN Code 9032]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
SPARE WLC MODULE	CS9136800000	1	1035



MR-G2 / MR-G3 Single Phase Submersible Pump Controller



With
MU-2P Contactor
& MU-2P Relay



MR-G2 / MR-G3 Controller [HSN Code 8536]

Type	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
MR-G2	0.5 HP	SS97720BATC	4 - 6.5	80 / 100	1 x 25	Yes	-	4225
		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	-	4600
		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	-	4955
		SS97722BCAF	9 - 14	120 / 150	2 x 36			
		SS97722BCAJ	9 - 14	120 / 150	1 x 72			
		SS97722BDAG	9 - 14	150 / 200	1 x 50			
		SS97722BDAF	9 - 14	150 / 200	2 x 36			
SS97722BDAJ		9 - 14	150 / 200	1 x 72				
SS97722BCCG		11 - 18	120 / 150	1 x 50				
SS97722BCCF		11 - 18	120 / 150	2 x 36				
SS97722BCCJ		11 - 18	120 / 150	1 x 72				
SS97722BDCG		11 - 18	150 / 200	1 x 50				
SS97722BDCF		11 - 18	150 / 200	2 x 36				
SS97722BDCJ		11 - 18	150 / 200	1 x 72				



MR-G2 / MR-G3 Single Phase Submersible Pump Controller



MR-G2 / MR-G3 Controller [HSN Code 8536]

Type	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
MR-G2	1.5 HP	SS96989BCAG	9 - 14	120 / 150	1 x 50	-	Yes	4775
		SS96989BCAF	9 - 14	120 / 150	2 x 36			
		SS96989BCAJ	9 - 14	120 / 150	1 x 72			
		SS96989BDAG	9 - 14	150 / 200	1 x 50			
		SS96989BDAF	9 - 14	150 / 200	2 x 36			
		SS96989BDAJ	9 - 14	150 / 200	1 x 72			
		SS96989BCCG	11 - 18	120 / 150	1 x 50			
		SS96989BCCF	11 - 18	120 / 150	2 x 36			
		SS96989BCCJ	11 - 18	120 / 150	1 x 72			
		SS96989BDCG	11 - 18	150 / 200	1 x 50			
		SS96989BDCF	11 - 18	150 / 200	2 x 36			
	SS96989BDCJ	11 - 18	150 / 200	1 x 72				
	2 HP	SS97723BDCF	11 - 18	150 / 200	2 x 36	Yes	-	5215
		SS97723BDCJ	11 - 18	150 / 200	1 x 72			
		SS97723BECF	11 - 18	200 / 250	2 x 36			
		SS97723BECJ	11 - 18	200 / 250	1 x 72			
		SS97723BDDF	13 - 22	150 / 200	2 x 36			
		SS97723BDDJ	13 - 22	150 / 200	1 x 72			
		SS97723BEDF	13 - 22	200 / 250	2 x 36			
		SS97723BEDG	13 - 22	200 / 250	1 x 50			
		SS97723BEDJ	13 - 22	200 / 250	1 x 72			
		SS96990BDCF	11 - 18	150 / 200	2 x 36	-	Yes	4990
		SS96990BDCJ	11 - 18	150 / 200	1 x 72			
		SS96990BECF	11 - 18	200 / 250	2 x 36			
		SS96990BECJ	11 - 18	200 / 250	1 x 72			
		SS96990BDDF	13 - 22	150 / 200	2 x 36			
		SS96990BDDJ	13 - 22	150 / 200	1 x 72			
		SS96990BEDF	13 - 22	200 / 250	2 x 36			
		SS96990BEDG	13 - 22	200 / 250	1 x 50			
		SS96990BEDJ	13 - 22	200 / 250	1 x 72			
	3 HP	SS97724BEDH	13 - 22	200 / 250	2 x 50	Yes	-	5765
		CS96468BEBH	16 - 26	200 / 250	2 x 50	-	Yes	5465
		SS97725BEDH	13 - 22	200 / 250	2 x 50			
CS96461BEBH		16 - 26	200 / 250	2 x 50				
MR-G3	5 HP	CS90490BEEJ	20 - 32	200 / 250	3 x 50	Yes	-	8185



MR-G2W Single Phase Submersible Controller (with WLC)



MR-G2W with in-built WLC (Ammeter & Voltmeter version only): [HSN Code 8536]

Maximum Submersible Pump Rating at 1 ϕ , 230V, 50Hz	Cat. No.	Relay Range (A)	Start Capacitor 275V, 50Hz MFD	Run Capacitor 440V, 50Hz MFD	M.R.P. (₹) Per Unit
0.5HP	CS91040BATC	4 - 6.5	80 / 100	1 x 25	8965
	CS91040BAVE	6 - 10	80 / 100	1 x 36	
1HP	CS91041BBVE	6 - 10	100 / 120	1 x 36	9345
	CS91041BBVG	6 - 10	100 / 120	1 x 50	
	CS91041BCVE	6 - 10	120 / 150	1 x 36	
	CS91041BCVG	6 - 10	120 / 150	1 x 50	
	CS91041BBAE	9 - 14	100 / 120	1 x 36	
	CS91041BBAG	9 - 14	100 / 120	1 x 50	
	CS91041BCAE	9 - 14	120 / 150	1 x 36	
1.5HP	CS91041BCAG	9 - 14	120 / 150	1 x 50	9810
	CS91042BCAG	9 - 14	120 / 150	1 x 50	
	CS91042BDAG	9 - 14	150 / 200	1 x 50	
	CS91042BDAF	9 - 14	150 / 200	2 x 36	
	CS91042BCCF	11 - 18	120 / 150	2 x 36	
	CS91042BDCG	11 - 18	150 / 200	1 x 50	
2HP	CS91042BDCF	11 - 18	150 / 200	2 x 36	10030
	CS91043BECF	11 - 18	200 / 250	2 x 36	
	CS91043BDDF	13 - 22	150 / 200	2 x 36	
	CS91043BEDF	13 - 22	200 / 250	2 x 36	
3HP	CS91043BEDG	13 - 22	200 / 250	1 x 50	10390
	CS91044BEDH	13 - 22	200 / 250	2 x 36	



Interior View of MR-G2W

Water Level Controller [HSN Code 9032]



WLC

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Water Level Controller (240V)(Double Tank application)	XM810520000	1	1335
Water Level Controller (415V)(Double Tank application)	XM810530000	1	1335
Water Level Controller (240V) (Single Tank application)	XM810550000	1	1265
Water Level Controller (415V) (Single Tank application)	XM810560000	1	1265
WLC probes (set of 3 nos.)	XM810510000	1	445
WLC probes (set of 6 nos.)	XM810760000	1	900



Spares for MR-G Submersible Pump Controller



**MR 11W
Contactor**



**MR11W Aux.
Contact Block**

MR-G Spares [HSN Code 8538]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
Add on Auxiliary Contact Block (Contact Type 1NO)	CS941790000	10	275
MR 11W, Spare Coil, 240V, 50Hz	CS94102B000	10	580
MRG-G2 Plug ON & OFF (Bulk of 10 ON & 10 OFF Plugs)	CS916960000	1	240
SPARE ADD ON BLOCK, MR-G2	CS964360000	1	175

Contactor Type MU - 2P [HSN Code 8536]

Component	AC3 Rating	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU - 2P Contactor	16A	MU 16 - 2P (160-220V)	CS90117N000	10	815
	25A	MU 25 - 2P (160-220V)	CS90118N000	10	1025
	40A	MU 40 - 2P (160-220V)	CS90119N000	10	1325



**MU - 2P
Contactor**

Contactor Type - MR 11W [HSN Code 8536]

Component	AC3 Rating	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
MR - 11W Contactor	25A	MR 11 W	CS94176B000	10	1045



**MU - 2P
Relay**

MU - 2P Relay [HSN Code 8536]

Component	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU - 2P Relay	1 - 1.6A	CS90207O0MO	1	640
	1.5 - 2.5A	CS90207O0PO	1	640
	2.5 - 4A	CS90207O0RO	1	640
	4 - 6.5A	CS90207O0TO	1	640
	6 - 10A	CS90207O0VO	1	640
	9 - 14A	CS90207O0AO	1	640
	11 - 18A	CS90207O0CO	1	710
	13 - 22A	CS90207O0DO	1	710
	16 - 26A	CS90207O0BO	1	710
	20 - 32A	CS90207O0EO	1	880



MU-2P Coil

MU - 2P Spares [HSN Code 8538]

Component	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
MU - 2P Spare Contact Kit	MU 16 - 2P	CS902170000	1	245
	MU 25 - 2P	CS902180000	1	320
	MU 40 - 2P	CS902190000	1	470
MU - 2P Spare Coil & Top Add-on	MU-2P Coil (220V)	CS90793N000	1	315
	MU-2P Coil (300V)	CS90793R000	1	315
	MU-2P Top Add-on (1 NO)	CS906950000	1	185



Ammeter

Wiring Harness for MU-G/ MR-G Controllers [HSN Code 8538]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
Wiring Harness, MU-G6 (Flexible Type)	CS961310000	1	785
Wiring Harness, MU-G10 (Flexible Type)	CS961300000	1	1115
Wiring Harness, MU-G10H (Flexible Type)	CS961340000	1	1450
Wiring Harness, MU-G15 (Flexible Type)	CS905670000	1	1645
Wiring Harness, MU-G20 (SDz5 SPPR) (Flexible Type)	CS961290000	1	2465
Wiring Harness, MU-G20H (SDz5 SPPR) (Flexible Type)	CS961350000	1	2625
Wiring Harness, MU-G30 (Flexible Type)	CS961280000	1	3225
Wiring Harness, MU-G50 (Flexible Type)	CS961270000	1	4590
Wiring Harness, MU-G75 (Flexible Type)	CS901710000	1	6595
Wiring Harness 2.5 sq. mm, MR-G2 (Flexible Type, For upto 11 - 18A Relay)	CS961330000	1	905



Spare Lamp



i-PROTECTOR



Features

- ◆ Micro-controller based protection design
- ◆ Digital Ammeter and Voltmeter in select variants
- ◆ Auto/Manual/Bypass Mode available
- ◆ Suitable for all starters - upto 40A
- ◆ Protections available - Voltage Single Phasing, Current Single Phasing, Voltage unbalance fault from supply side, Current unbalance fault from motor side, Phase reversal fault, Under voltage fault, Overvoltage fault
- ◆ Dry-run fault protection (With adjustable current setting and adjustable reset time)

Recommended i-PROTECTOR for our starters:

Product	DOL								Star - Delta					
	3-Phase Starter				1- Phase Starters	3- Phase Controller		1- Phase Controller	3-Phase SASD / FASD Starters				3-Phase Controller (FASD)	
	MK1 / MK2	MU1 / MU2 / MU3	MB1 / MB2	ML1.5 / ML2 /3	MU-2P	MU-G6	MU-G10 / MU-G10H	MR-G2 / MR-G3	MK1	MU1 / MU2	MB1 / MB2	ML1.5 / ML2 /3	MU-G15	MU-G20 / MU-G20H
<i>i-AD</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>i-ADS / i-ADSM</i>	✓	✓	✓	✓		✓*	✓*		✓	✓	✗	✓	✓*	✓*
<i>i-VDS / i-VDSM</i>	✓	✓	✓	✓		✓*	✓*		✓	✓	✗	✓	✓*	✓*

* Note: MU-G Controller is provided with Sz5 /Sdz5. In case of upgradation, use *i-ADS*, *i-ADSM*, *i-VDS*, *i-VDSM* in place of SPFR

✓ Note: *i-Protector* is compatible with the mentioned starter

i-PROTECTOR [HSN Code 8536]

Product Designation	Product Details	240 V	360 V	380 V	415 V	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
<i>i-AD</i>	Dry run protection relay (current based)	CS90861B000				1	1130
<i>i-AD</i>	Dry run protection relay (current based)		CS90861C000	CS90861L000	CS90861D000	1	1155
<i>i-ADS</i>	Single phasing preventer & dry run protection relay (current based)		CS90862C000	CS90862L000	CS90862D000	1	1935
<i>i-ADSM</i>	Single phasing preventer & dry run protection relay + VI meter (current based)		CS90863C000	CS90863L000	CS90863D000	1	2455
<i>i-VDS</i>	Single phasing preventer & dry run protection relay (voltage based)		CS90866C000	CS90866L000	CS90866D000	1	1795
<i>i-VDSM</i>	Single phasing preventer & dry run protection relay + VI meter (voltage based)		CS90875C000	CS90875L000	CS90875D000	1	2455

Please see the Note at the bottom of the page

WIRE HARNESSES FOR i-PROTECTOR [HSN Code 8544]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
Wire Harness, <i>i-AD</i> (230V-Single Phase)	CS916330000	1	225
Wire Harness, <i>i-AD</i> (Three Phase)	CS916340000	1	260
Wire Harness, <i>i-ADS</i> , <i>i-ADSM</i> , <i>i-VDS</i> , <i>i-VDSM</i>	CS916350000	1	320

Note : Different voltage variants of *i-PROTECTOR* are as per the coil voltages of our agri contactors and are to be suitably selected.



LTLK MCB with K-Curve

Exclusively for Agricultural Pumps



MCB Selection for Controllers

2 Pole			3 Pole		
Product	Relay Range	MCB Rating (A)	Product	Relay Range	MCB Rating (A)
MR-G2	4-6.5	10	MU-G6	4-6.5	10
	06-10	10		06-10	10
	09-14	16		09-14	16
	10-18	20	MU-G10	4-6.5	10
	13-22	25		06-10	10
16-26	32	09-14		16	
MR-G3	20-32	32	13-21	25	
			20-32	32	
			28-42	50	
			MU-G20	09-14	40
				13-21	50
			MU-G20H	20-32	100
				28-42	125

Features

- ◆ Range available from 6A to 125A - 3 Pole and 6A to 50A - 2 Pole
- ◆ Specially designed MCBs with K-Curve
 - Short circuit tripping band suitable for submersible pumps
 - Offers effective short circuit protection
- ◆ Rated Voltage: 240V & 415V AC
- ◆ Breaking Capacity
 - 10kA as per IEC 60947-2 up to 63A
 - 15kA as per IEC 60947-2 up to 100A-125A
- ◆ Distinct advantages over rewirable fuse
 - No need of replacing "fuse wire" in case of fault
 - Simple to resume supply by switching ON MCB
 - Saving in fuse replacement time and saving in money
 - Longer life
 - Safer in operation
 - Easy to switch ON/OFF during maintenance

MCB CAT NOS. & Ratings [HSN Code 8536]



MCB Pole	Cat. No.	MCB Rating (A)	Module 1Mod=17.5mm	Std. Pkg. (Nos.)*	M.R.P. (₹) Per Unit
2 - Pole	LK20060K	6	2	6	615
	LK20100K	10	2	6	615
	LK20160K	16	2	6	615
	LK20200K	20	2	6	615
	LK20250K	25	2	6	615
	LK20320K	32	2	6	615
	LK20500K	50	2	6	965



MCB Pole	Cat. No.	MCB Rating (A)	Module 1Mod=17.5mm	Std. Pkg. (Nos.)*	M.R.P. (₹) Per Unit
3 - Pole	LK30060K	6	3	4	985
	LK30100K	10	3	4	985
	LK30160K	16	3	4	985
	LK30200K	20	3	4	985
	LK30250K	25	3	4	985
	LK30320K	32	3	4	985
	LK30400K	40	3	4	1510
	LK30500K	50	3	4	1510
	LK30630K	63	3	4	1510
	LK31000K	100	4.5	1	6215
	LK31250K	125	4.5	1	6905

* Includes DIN channel & hardware for individual MCB up to 63A



M-POWER Pro & M-POWER+ Module For Mobile Starters



Features

- ◆ Only 3 wire connection ensures easy installation with DOL and Star Delta starters
- ◆ Enables the operation (Remote ON/OFF, parameter setting, monitoring and troubleshooting) of your pump through SMS, IVRS, Call and LTLK Connect Android app, thus provides the convenience in controlling the pump operation from anywhere at anytime
- ◆ Offers protection from phase loss, voltage imbalance, phase reversal, over voltage, under voltage and dry run fault with individual protection Enable/Disable feature.
- ◆ Same unit works for Three Phase DOL and Star Delta starter
- ◆ Hour based and Network based daily timers (4 Time slot) with time compensation
- ◆ Up to 4 users along with 1 master can be connected for controlling your pump operation
- ◆ Auto/Manual/Bypass mode and total run time information for your pump



LTLK Connect App



Product videos

M-POWER Pro [HSN Code 8536]

Suitable Region	IVRS Languages	Product	Cat. No.			Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
			Coil Voltage 360V	Coil Voltage 380V	Coil Voltage 415V		
North & West	English, Hindi, Marathi, Gujarati, Punjabi	M-POWER Pro	CS91313MOOO	CS91313LOOO	CS91313O0OO	1	6610
South	English, Hindi, Kannada, Telugu, Tamil		CS91313MOSO	CS91313LOSO	CS91313OOSO	1	6610
East	English, Hindi, Odia, Assamese, Bengali		CS91313MOEO	CS91313LOEO	CS91313O0EO	1	6610

Note : Different voltage variants of M-POWER Pro are as per the coil voltages of our agri contactors and are to be suitably selected.



M-POWER+ [HSN Code 8538]

Description	IVRS Languages	Suitable Region	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
M-POWER+ Module for Mobile Starter - 1P/3P 3 Wire	English, Hindi, Marathi, Punjabi, Gujarati	North & West	GSM0301OONO	1	4220
	English, Hindi, Kannada, Telugu, Tamil	South	GSM0301OOSO	1	4220
	English, Hindi, Bengali, Odia, Assamese	East	GSM0301O0EO	1	4220



Wire Type Antenna

M-POWER Accessories

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. (₹) Per Unit
Wire Type Antenna [8538]	GSM0301A000	1	440
Controller-side Wire Harness [8544]	GSM0301C000	1	155
Module-side Wire Harness [8544]	GSM0301G000	1	230



Controller-side Wire Harness & Module-side Wire Harness



Power Factor Correction Capacitors



Features:

- ◆ Self-healing property ensures longer life of capacitor
- ◆ Leak proof and high viscous resin construction, hence no leakage or spillage
- ◆ Superior quality Metalized Polypropylene (MPP) film, ingress free construction and low losses ensures capacitance value and longer life of capacitor
- ◆ Metal construction allows natural cooling in ambient
- ◆ Suitable to work on high voltage
- ◆ Improved power factor and low losses ensures optimized cable usage, lesser overheating of motor and hence lesser damage and maintenance



Power Capacitors suitable for Agricultural Applications Box Capacitors [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
1 kVAr	440V	LTBCA301B2	1	205
2 kVAr	440V	LTBCA302B2	1	395
3 kVAr	440V	LTBCA303B2	1	595
4 kVAr	440V	LTBCA304B2	1	795
5 kVAr	440V	LTBCA305B2	1	995
6 kVAr	440V	LTBCA306B2	1	1195
7.5 kVAr	440V	LTBCA307B2	1	1495
8.33 kVAr	440V	LTBCA308B2	1	1660
10 kVAr	440V	LTBCA310B2	1	1995
12.5 kVAr	440V	LTBCA312B2	1	2490
15 kVAr	440V	LTBCA315B2	1	2985
20 kVAr	440V	LTBCA320B2	1	3980
25 kVAr	440V	LTBCA325B2	1	4970
30 kVAr	440V	LTBCA330B2	1	5960

Cylindrical Capacitors [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
1 kVAr	440V	LTCCA301B2	1	170
2 kVAr	440V	LTCCA302B2	1	330
3 kVAr	440V	LTCCA303B2	1	495
4 kVAr	440V	LTCCA304B2	1	665
5 kVAr	440V	LTCCA305B2	1	830
6 kVAr	440V	LTCCA306B2	1	995
7.5 kVAr	440V	LTCCA307B2	1	1245
8.33 kVAr	440V	LTCCA308B2	1	1380
10 kVAr	440V	LTCCA310B2	1	1660
12.5 kVAr	440V	LTCCA312B2	1	2065
15 kVAr	440V	LTCCA315B2	1	2480
20 kVAr	440V	LTCCA320B2	1	3310
25 kVAr	440V	LTCCA325B2	1	4130
30 kVAr	440V	LTCCA330B2	1	4960

Cylindrical Capacitors with Clamps [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
1 kVAr	440V	LTCCC301B2	1	190
2 kVAr	440V	LTCCC302B2	1	355
3 kVAr	440V	LTCCC303B2	1	520
4 kVAr	440V	LTCCC304B2	1	690
5 kVAr	440V	LTCCC305B2	1	845
6 kVAr	440V	LTCCC306B2	1	1020
7.5 kVAr	440V	LTCCC307B2	1	1270
8.33 kVAr	440V	LTCCC308B2	1	1405
10 kVAr	440V	LTCCC310B2	1	1680
15 kVAr	440V	LTCCC315B2	1	2505
20 kVAr	440V	LTCCC320B2	1	3335
25 kVAr	440V	LTCCC325B2	1	4160
30 kVAr	440V	LTCCC330B2	1	4990



Power Factor Correction Capacitors



Power Capacitors suitable for Agricultural Applications Box Capacitors [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
1 kVAr	415V	LTBCA301A2	1	205
2 kVAr	415V	LTBCA302A2	1	395
3 kVAr	415V	LTBCA303A2	1	595
4 kVAr	415V	LTBCA304A2	1	795
5 kVAr	415V	LTBCA305A2	1	995
6 kVAr	415V	LTBCA306A2	1	1195
7.5 kVAr	415V	LTBCA307A2	1	1495
8.33 kVAr	415V	LTBCA308A2	1	1660
10 kVAr	415V	LTBCA310A2	1	1995
12.5 kVAr	415V	LTBCA312A2	1	2490
15 kVAr	415V	LTBCA315A2	1	2985
20 kVAr	415V	LTBCA320A2	1	3980
25 kVAr	415V	LTBCA325A2	1	4970
30 kVAr	415V	LTBCA330A2	1	5960

Cylindrical Capacitors [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
1 kVAr	415V	LTCCA301A2	1	170
2 kVAr	415V	LTCCA302A2	1	330
3 kVAr	415V	LTCCA303A2	1	495
4 kVAr	415V	LTCCA304A2	1	665
5 kVAr	415V	LTCCA305A2	1	830
6 kVAr	415V	LTCCA306A2	1	995
7.5 kVAr	415V	LTCCA307A2	1	1245
8.33 kVAr	415V	LTCCA308A2	1	1380
10 kVAr	415V	LTCCA310A2	1	1660
12.5 kVAr	415V	LTCCA312A2	1	2065
15 kVAr	415V	LTCCA315A2	1	2480
20 kVAr	415V	LTCCA320A2	1	3310
25 kVAr	415V	LTCCA325A2	1	4130
30 kVAr	415V	LTCCA330A2	1	4960



Capacitor Selection

Capacitor Ratings for Power Factor Improvement

Existing Capacitor Rating In kVAr Per kW

Existing Power Factor = COS Ø1,

Desired Power Factor = COS Ø2

COS Ø1	COS Ø2				
	0.80	0.85	0.90	0.95	1
0.40	1.54	1.67	1.81	1.96	2.29
0.42	1.41	1.54	1.81	1.83	2.16
0.44	1.29	1.42	1.56	1.71	2.04
0.46	1.18	1.31	1.45	1.60	1.93
0.48	1.08	1.21	1.34	1.50	1.83
0.50	0.98	1.11	1.25	1.40	1.73
0.52	0.89	1.02	1.16	1.31	1.64
0.54	0.81	0.94	1.07	1.23	1.56
0.56	0.73	0.86	1.00	1.15	1.48
0.58	0.65	0.78	0.92	1.08	1.40
0.60	0.58	0.71	0.85	1.00	1.33
0.62	0.52	0.65	0.78	0.94	1.27
0.64	0.45	0.58	0.72	0.87	1.20
0.66	0.39	0.52	0.65	0.81	1.14
0.68	0.33	0.46	0.59	0.75	1.08
0.70	0.27	0.40	0.54	0.69	1.02
0.72	0.27	0.34	0.48	0.64	0.96
0.74	0.21	0.29	0.42	0.58	0.91
0.76	0.16	0.24	0.37	0.53	0.86
0.78	0.11	0.18	0.32	0.47	0.80
0.80	0.05	0.13	0.27	0.42	0.75
0.82	-	0.08	0.21	0.37	0.70
0.84	-	0.03	0.16	0.32	0.65
0.86	-	-	0.11	0.26	0.59
0.88	-	-	0.06	0.21	0.54
0.90	-	-	-	0.16	0.48
0.92	-	-	-	0.10	0.43

Example :

Existing Power Factor COSØ10.70
 Desired Power Factor COSØ20.95
 Capacitor Rating As Per Table 0.69 kVAr / kW
 Active Load (For Example, Meter Reading) 100 kW
 Required Capacitor Rating0.69 X 100 = 69 kVAr



Capacitor Selection

- These are only broad guidelines
- For actual values please contact Motor manufacturer
- Recommended capacitor ratings for direct connection to induction motors

for direct connection to induction motors to improve power factor to 0.95 or better at all loads kVAR ratings when speed is:

Motor		3000 rpm	1500 rpm	1000 rpm	750 rpm	500 rpm
HP	kW	Capacitor (KVAR)	Capacitor (KVAR)	Capacitor (KVAR)	Capacitor (KVAR)	Capacitor (KVAR)
2.5	1.9	1	1	1.5	2	2.5
5	3.7	2	2	2.5	3.5	4
7.5	5.6	2.5	3	3.5	4.5	5.5
10	7.5	3	4	4.5	5.5	6.5
15	11.2	4	5	6	7.5	9
20	14.9	5	6	7	9	12
25	18.7	6	7	9	10.5	14.5
30	22.4	7	8	10	12	17
40	29.8	9	10	13	15	21
50	37.3	11	12.5	16	18	25
60	44.8	13	14.5	18	20	28
70	52.2	15	16.4	20	22	31
80	59.7	17	19	22	24	34
90	67.1	19	21	24	26	37
100	74.6	21	23	26	28	40
110	82.1	23	25	28	30	43
120	89.5	25	27	30	32	46
130	97.0	27	29	32	34	49
140	104.4	29	31	34	36	52
145	108.2	30	32	35	37	54
150	111.9	31	33	36	38	55
155	115.6	32	34	37	39	56
160	119.4	33	35	38	40	57
165	123.1	34	36	39	41	59
170	126.8	35	37	40	42	60
175	130.6	36	38	41	43	61
180	134.3	37	39	42	44	62
185	138.0	38	40	43	45	63
190	141.7	38	40	43	45	65
200	149.2	40	42	45	47	67
250	186.5	45	50	55	60	70



MFD Capacitors for Single Phase Application



Run MR-G

Start MR-G

Start Spare

Run Spare

Features:

- ◆ Self-healing property of metalized film ensures longer life of capacitor Oil free dry resin construction, hence no leakage or spillage and no damage to panel
- ◆ Superior quality Metalized Polypropylene (MPP) film, ingress free construction and low losses ensures capacitance value and longer life of capacitor
- ◆ Suitable to work on high voltage
- ◆ High insulation resistance ensures minimum leakage loss
- ◆ Low losses and rated capacitance value ensures trouble free operation and performance of your motor

Spare Cylindrical Condensers with Wire [HSN Code 8532]

Type	Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
Run	10 μ F	440V	LTCCMRW010B2	21	70
	12.5 μ F	440V	LTCCMRW125B2	21	80
	15 μ F	440V	LTCCMRW015B2	21	105
	20 μ F	440V	LTCCMRW020B2	21	120
	25 μ F	440V	LTCCMRW025B2	12	130
	30 μ F	440V	LTCCMRW030B2	12	140
	36 μ F	440V	LTCCMRW036B2	12	145
	40 μ F	440V	LTCCMRW040B2	12	185
	45 μ F	440V	LTCCMRW045B2	12	210
	50 μ F	440V	LTCCMRW050B2	12	215
Start	72 μ F	440V	LTCCMRW072B2	12	280
	100 μ F	275V	LTCCMSW100P2	12	210
	120 μ F	275V	LTCCMSW120P2	12	245
	150 μ F	275V	LTCCMSW150P2	12	285
	200 μ F	275V	LTCCMSW200P2	12	325
	250 μ F	275V	LTCCMSW250P2	12	365



Spare Cylindrical Condensers for MR-G Controllers [HSN Code 8532]

Type	Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. (₹) Per Unit
Run	25 μ F	440V	LTCCMR025B2	12	150
	36 μ F	440V	LTCCMR036B2	12	170
	50 μ F	440V	LTCCMR050B2	12	265
Start	100 μ F	275V	LTCCMS100P2	12	245
	120 μ F	275V	LTCCMS120P2	12	290
	150 μ F	275V	LTCCMS150P2	12	335
	200 μ F	275V	LTCCMS200P2	12	385
	250 μ F	275V	LTCCMS250P2	12	430





Submersible Flat Cable



Submersible Cables

Features :

- ◆ 1100V Grade cable with 99.97% pure ETP grade copper
- ◆ With uniform double insulation, no shock hazards, hence safe to use
- ◆ Lesser cable resistance, hence negligible voltage drop in cable ensures appropriate voltage at motor terminals.

Submersible Cables (Flat Cables) as per IS694:1990 (Extra Thick Insulation) [HSN Code 8544]

Nominal Cross Section Area of Conductor (Sq. mm)	Construction Details/ Max Dia (mm)	Current Carrying Capacity at 40°C (A)	Cat. No.	M.R.P. (₹) Per Meter
1.5	22 / 0.3	14	WST0015PECM*.	Please refer Submersible Flat Cables Price List
2.5	36 / 0.3	18	WST0025PECM*.	
4	56 / 0.3	26	WST0040PECM*.	
6	84 / 0.3	31	WST0060PECM*.	
8	120 / 0.29	36	WST0080PECM*.	

Note: * 5 for 500 mts & 1 for 1000 mts

Submersible Cables (Flat Cables) as per IS694:1990 (Standard Insulation) [HSN Code 8544]

Nominal Cross Section Area of Conductor (Sq. mm)	Construction Details/ Max Dia (mm)	Current Carrying Capacity at 40°C (A)	Cat. No.	M.R.P. (₹) Per Meter
1	14 / 0.3	11	WS00010PECM*.	Please refer Submersible Flat Cables Price List
1.5	22 / 0.3	14	WS00015PECM*.	
2.5	36 / 0.3	18	WS00025PECM*.	
4	56 / 0.3	26	WS00040PECM*.	
6	84 / 0.3	31	WS00060PECM*.	
8	120 / 0.29	36	WS00080PECM*.	
10	80 / 0.4	42	WS00100PECM*.	
16	126 / 0.4	57	WS00160PECM*.	

Note: * 5 for 500 mts & 1 for 1000 mts

XLPE Submersible cables

Features :

- ◆ Cross-linked material offers higher withstand capability to temperature and voltage fluctuations
- ◆ Higher current rating optimizes cable size requirement
- ◆ Higher overload capacity and higher short circuit rating ensures better performance
- ◆ Due to better abrasion, corrosion and moisture resistance, longer cable life

Submersible Cables (Flat Cables) as per IS694:1990 (Extra Thick XLPE) [HSN Code 8544]

Nominal Cross Section Area of Conductor (Sq. mm)	Construction Details/ Max Dia (mm)	Current Carrying Capacity at 40°C (A)	Cat. No.	M.R.P. (₹) Per Meter
1.5	22 / 0.3	22	WST0015XECEM*.	Please refer Submersible Flat Cables Price List
2.5	36 / 0.3	29	WST0025XECEM*.	
4	56 / 0.3	38	WST0040XECEM*.	
6	84 / 0.3	47	WST0060XECEM*.	

Note: * 5 for 500 mts & 1 for 1000 mts

Submersible Cables (Flat Cables) as per IS694:1990 (Standard XLPE) [HSN Code 8544]

Nominal Cross Section Area of Conductor (Sq. mm)	Construction Details/ Max Dia (mm)	Current Carrying Capacity at 40°C (A)	Cat. No.	M.R.P. (₹) Per Meter
1.5	22 / 0.3	22	WS00015XECEM*.	Please refer Submersible Flat Cables Price List
2.5	36 / 0.3	29	WS00025XECEM*.	
4	56 / 0.3	38	WS00040XECEM*.	
6	84 / 0.3	47	WS00060XECEM*.	

Note: * 5 for 500 mts & 1 for 1000 mts

General Terms

All prices are on maximum retail price basis inclusive of all duties, GST & any other 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 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. Is 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 Electrical & Automation (E&A) has over five decades of experience in providing after sales service for low voltage distribution system in every type of industry & commercial complex in India

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

- Regular Maintenance
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- 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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Product improvement is a continuous process. For the latest information and special application, please contact any of our offices listed here. Product photographs shown for representative purpose only.



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