



## FROM THE COO'S DESK.



**L&T Switchgear\*** IS NOW  
**Business**



**Electrical & Automation**

Dear Stakeholder,

We are pleased to announce the launch of our new brand "Lauritz Knudsen Electrical & Automation" on 29th May 2024 which will replace the existing brand, L&T Switchgear.

We sincerely thank you for your patronage & support over the last seven decades. We eagerly anticipate continuing this journey under the new name.

During this transition, the specific product names shall remain unchanged, such as MK, MU, MB, ML, MU-A, MU-2P, MF1 Starters, MD Starter+, MU-G, MR-G, MR-Gi Controllers, MU-GS SMART Controller, Px3000 Solar Drive Controller, M-Power+, M-Power++, M-Power Pro, i-PROTECTOR, Sz5, SDz5, SASDz5, WLC, SzLC, MCB-K curve, MCCB, Capacitors, Timers, Flat cables etc. Our products now feature a refreshed look that reflects our brand image and brings more consistency across our product line. However, please note that this change will not affect the ordering CAT numbers, technical parameters, and dimensions of our product range. Once the old brand material is exhausted, we will exclusively supply products under our new brand identity.

We assure you that this brand transition will be seamless, ensuring continuous availability of the products, including spares and after-sales support throughout the product's life cycle, whether under the L&T Switchgear or Lauritz Knudsen brand. Product warranties, as per our standard terms, will be honoured for products in both brands.

We kindly request you to update our new brand, Lauritz Knudsen Electrical & Automation, in your list of approved makes.

Thank you for your continued support and cooperation.

Best regards,

Naresh Kumar,

COO & Sr, VP, Electrical Standard Products

Lauritz Knudsen Electrical & Automation

# SHOP SMART WHEREVER YOU ARE ! **SMARTSHOP**



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**A SCAN AWAY**  
FOR ALL YOUR NEEDS



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# INDEX

## OFFERINGS & COMPOSITIONS 01

### THREE PHASE STARTERS

MK1 Starters	10
MK2 Starters	13
<b>NEW</b> MK.i Starters	15
MU / MB Starters	17
ML Starters	22
MU-Automatic DOL	25
MF1 Three Phase Starters	26
<b>Digital</b> MD Starter+	28

### THREE PHASE CONTROLLERS

MU-G6 / 7.5 / 10 Three Phase Controllers	33
MU-G15 / 17.5 / 20 / 25 Three Phase Controllers	34
MU-G30 / 40 / 50 / 75 Three Phase Controllers	36
MU-G10W / 20W / 30W Three Phase Controllers	37
<b>Digital</b> SMART Controllers	41

### SINGLE PHASE STARTERS & CONTROLLERS

MU-2P / MF1 Single Phase Starters	47
MF-G1 Single Phase Controllers	48
MR-G2 / MR-G3 Single Phase Controller	50
MR-G2W Single Phase Controller	52
<b>Digital</b> MR-Gi Digital Single Phase Controllers - Manual & Auto	55

### ACCESSORIES

<b>Digital</b> M-POWER Pro	59
<b>Digital</b> M-POWER++ / M-POWER+	60
<b>Digital</b> Auto WLC	61
<b>NEW</b> SASDz5 / Sz1A	62
<b>Digital</b> i-PROTECTOR	63
MCB with K-curve	64
DY125U MCCB	65
Power Factor Correction Capacitors	66
MFD Capacitors for Single phase application	71
Submersible Flat Cable	73

**Note:**

**[Green colour / HSN code]** Current GST 18%, subject to changes as per Govt. notification

**[Orange colour / HSN code]** Current GST 12%, subject to changes as per Govt. notification

# Starters and Controllers Offerings & Composition

## Offerings

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase DOL (Direct On-Line)										
	Starters										
	MK1	MK2	MF1	MU1	MU1H	MB1	MU2	MB2	MU3	ML1.5	ML2
0.125			✓								
0.25 - 2	✓		✓								
3 - 6	✓		✓								
7.5	✓	✓	✓	✓	✓	✓				✓	✓
10				✓	✓	✓				✓	✓
12.5					✓		✓	✓		✓	✓
15							✓	✓	✓	✓	✓
17.5								✓			✓
20											✓

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase DOL (Direct On-Line)									
	Automatic Starter with SPPR					Automatic MD Starter+ with i-PROTECTOR				
	MU-1A	MU-1HA	MU-2A	MU-3A	MK1.i	MK2.j	MD1-iU	MD1H-iU	MD2-iU	MD3-iU
0.125										
0.25 - 2										
3 - 6	✓				✓		✓			
7.5	✓				✓	✓	✓			
10	✓	✓					✓			
12.5		✓	✓					✓	✓	
15			✓	✓				✓		
17.5				✓						✓
20										✓

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase DOL (Direct On-Line)								
	Controller			Controller with WLC			SMART Controller		
	MU-G6	MU-G7.5	MU-G10	MU-G10HN	MU-G10H	MU-G10W	MU-G6S	MU-G10S	MU-G10HS
0.125									
0.25 - 2									
3 - 6	✓		✓			✓	✓	✓	
7.5		✓	✓			✓		✓	
10			✓	✓	✓	✓		✓	✓
12.5									
15									
17.5									
20									

# Starters and Controllers Offerings & Composition

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase FASD (Fully Automatic Star-Delta)												
	Starters									Automatic MD Starter+ with /-PROTECTOR			
	MK1	MK2	MU1	MB1	ML1.5	MU2	M82	ML2	MU3	MD1-iU	MD1H-iU	MD2-iU	MD3-iU
6 - 10	✓												
12.5	✓		✓	✓	✓			✓					
15	✓	✓	✓	✓	✓			✓		✓			
17.5													
20					✓	✓	✓	✓		✓		✓	
25					✓	✓	✓				✓	✓	
30						✓	✓	✓			✓		✓
35								✓	✓				
40													
50													
75													

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase FASD (Fully Automatic Star-Delta)											
	Controller										Controller with WLC	
	MU-G15	MU-G17.5	MU-G20	MU-G20HN	MU-G20H	MU-G25	MU-G30	MU-G40	MU-G50	MU-G75	MU-G20W	MU-G30W
6 - 10	✓											
12.5	✓											
15	✓		✓							✓		
17.5		✓	✓							✓		
20			✓	✓	✓		✓			✓		
25						✓	✓					
30							✓	✓	✓			✓
35							✓	✓	✓			
40							✓	✓	✓			
50								✓	✓	✓		
75									✓	✓		

# Starters and Controllers Offerings & Composition

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase FASD (Fully Automatic Star-Delta)								
	MU-G SMART Controller								
	MU-G15S	MU-G15HS	MU-G20S	MU-G20HS	MU-G25S	MU-G30S	MU-G40S	MU-G50S	MU-G75S
6 - 10	✓		✓						
12.5	✓		✓						
15	✓	✓	✓	✓					
17.5			✓	✓					
20			✓	✓		✓			
25					✓	✓			
30						✓	✓	✓	
35							✓	✓	
40							✓	✓	
50								✓	✓
75									✓

HP Rating (Based On Relay Range And Maximum HP Rating)	3 Phase SASD (Semi Automatic Star-Delta)								
	Starters								
	MK1	MK2	MU1	MB1	MU2	MU3	MB2	ML1.5	ML2
6 - 10	✓								
12.5	✓		✓	✓				✓	✓
15	✓	✓	✓	✓					
20					✓		✓	✓	✓
25					✓		✓	✓	
30					✓		✓		✓
35						✓			✓

# Starters and Controllers Offerings & Composition

## Composition For Three Phase DOL (Direct On-Line) Starters

Starter Type	Relay Range (A)	Relays used															
		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			
MU-1A					MU1	MU1	MU2			MU2			MU2				
MU-1HA													MU2	MU2			
MU-2A										MU2				MU2		MU2	
MU-3A																MU2	MU2
MK1.J					MK1	MK1	MK1		MK1		MK1						
MK2.J											MK2			MK2			

Starter Type	Relay Range (A)	Contactors used															
		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							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			
MU-1A					MU1	MU1	MU1			MU1			MU1				
MU-1HA													MU1H	MU1H			
MU-2A										MU2				MU2		MU2	
MU-3A																MU3	MU3
MK1.J					MK1	MK1	MK1		MK1		MK1						
MK2.J											MK2			MK2			

# Starters and Controllers Offerings & Composition

## Composition For Three Phase SASD (Semi Automatic Star-Delta) Starters

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

# Starters and Controllers Offerings & Composition

## Composition For Three Phase FASD (Fully Automatic Star-Delta) Starters

Starter Type	Relay Range (A)	Relays used											
		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33	24-38	28-42
MK1		MK1	MK1	MK1		MK1		MK1					
MK2								MK2		MN2			
MU1				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			

Starter Type	Relay Range (A)	Contactors used											
		4-6.5	6-10	9-14	9-15	11-18	13-21	13-22	14-23	20-32	20-33	24-38	28-42
MK1		MK1	MK1	MK1		MK1		MK1					
MK2								MK2		MK2			
MU1				MU1			MU1						
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 MD Starter+

Starter Type	Relay Range (A)	MD Starter+ DGL							MD Starter+ FASD						Relay Type	/-PROTECTOR Type	
		Contactors used							Contactors used								
		6-10	9-14	13-21	15-25	20-32	24-38	28-42	9-14	13-21	15-25	20-32	24-38	28-42			
MD1-iU		MU1														MU1	/-ADSM
MD1H-iU			MU1	MU1	MU1				MU1	MU1						MU2	/-ADSM/-VDSM
MD2-iU				MU1H	MU1H	MU1H					MU1H					MU2	/-ADSM/-VDSM
MD2H-iU				MU2	MU2	MU2	MU2				MU2	MU2	MU2		MU2	MU2	/-ADSM/-VDSM
MD3-iU						MU3	MU3	MU3					MU3	MU3	MU3	MU2	/-ADSM/-VDSM

# Starters and Controllers Offerings & Composition

## Composition For Three Phase Controllers

Relay Range Controller Type (A)	Relays used														
	4-6.5	6-10	9-14	11-18	13-21	13-22	15-25	20-32	20-33	24-38	28-42	30-50	36-60	45-75	66-110
MU-G5	MK1	MK1	MK1												
MU-G7.5						MK2		MK2							
MU-G10	MU1	MU1	MU2		MU2										
MU-G10HN							MU2	MU2							
MU-G10H								MU2			MU2				
MU-G15		MK1	MK1	MK1		MK1									
MU-G17.5						MK2		MK2							
MU-G20			MU2		MU2										
MU-G20HN							MU2	MU2							
MU-G20H								MU2			MU2				
MU-G25										MU2	MU2				
MU-G30									MNS			MNS			
MU-G40												MNS	MNS		
MU-G50												MNS		MNS	
MU-G75														MNS	MNS
MU-G10W	MU1	MU1	MU2		MU2			MU2			MU2				
MU-G20W			MU2		MU2			MU2			MU2				
MU-G30W												MNS			

# Starters and Controllers Offerings & Composition

## Composition For Three Phase Controllers

Controller Type	Relay Range (A)	Contactors used													Single Phase Preventer Used		
		4-6.5	6-10	9-14	11-18	13-21	13-22	15-25	20-32	20-33	24-38	28-42	30-50	36-60		45-75	66-110
MU-G6		MK1	MK1	MK1													Sz5
MU-G7.5						MK2		MK2									Sz5
MU-G10		MU1	MU1	MU1		MU1											Sz5
MU-G10HN								MU1H	MU1H								Sz5
MU-G10H									MU2			MU2					Sz5
MU-G15			MK1	MK1	MK1		MK1			MU2							SDz5
MU-G17.5							MK2		MK2								SDz5
MU-G20				MU1		MU1											SDz5
MU-G20HN								MU1H	MU1H								SDz5
MU-G20H									MU2			MU2					SDz5
MU-G25										MU3	MU3						SDz5
MU-G30										ML2W			ML2W				SDz5
MU-G40													ML3W	ML3W			SDz5
MU-G50													ML4W				SDz5
MU-G75														ML5W	ML5W		SDz5
MU-G10W		MU1	MU1	MU1		MU1			MU2			MU2					Sz5
MU-G20W				MU1		MU1			MU2			MU2					SDz5
MU-G30W													ML2W				SDz5

## Digital Relay Ranges, Contactors & SCPD Available In MU-G SMART Controller

Digital Relay Ranges	4-22	13-32	13-42	20-42	24-42	20-50	30-60	30-75	45-90	SCPD
SMART Controller Type	Contactors used									
MU-G6S	MK1									25A 3P MCB K Curve
MU-G10S	MU1									25A 3P MCB K Curve
MU-G10HS				MU2						50A 3P MCB K Curve
MU-G15S	MK1									63A 3P MCB K Curve
MU-G15HS		MK2								100A 3P MCB K Curve
MU-G20S	MU1	MU1H								163A 3P MCB K Curve 100A 3P MCB K Curve
MU-G20HS			MU2							125A 3P MCB K Curve
MU-G25S					MU3					125A 3P MCB K Curve
MU-G30S						ML2W				D21-160M-160A MCCB
MU-G40S							ML3W			D21-160M-160A MCCB
MU-G50S								ML4W		D21-250M-250A MCCB
MU-G75S									ML5W	D21-250M-250A MCCB

# Discover the Power of **MK.i DOL Starter**



RELIABILITY



STRENGTH



PROTECTION



HIGH  
PERFORMANCE

Equipped with  
a Built-in SPPR

Single Phase  
Protection

Thermal  
Overload Relay  
for Overload  
Protection

External Access  
to Emergency  
Rocker Switch  
and Mode  
Switch

In-built ON  
Delay Timer

Manual Lock for  
OFF Push Button



AGRI CUSTOMER CARE

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# MK1 Starters



## MK1 DOL Starters [HSN Code 8536]

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	10	2771
0.5 HP	1 - 1.6		SS96210COMO	SS96210POMO	10	2771
1 HP	1.5 - 2.5		SS96210COPO	SS96210POPO	10	2771
2 HP	2.5 - 4		SS96210CGRO	SS96210PORO	10	2771
4 HP	4 - 6.5	SS96210SOTO	SS96210COTO	SS96210POTO	10	2771
6 HP	6 - 10	SS96210SDVO	SS96210COVO	SS96210POVO	10	2771
7.5 HP	9 - 14	SS96210SDAO	SS96210COAO	SS96210POAO	10	2771
7.5 HP	11 - 18	SS96211SDCO	SS96211CCOC	SS96211PCOC	10	2843
7.5 HP	13 - 22	SS96228SODO	SS96228CODO	SS96228PODO	10	2914

Note : For Single Phase Starter application, please refer page no. 47.

## MK1 SASD Starters [HSN Code 8536]

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	10700
10 HP	6 - 10	SS96255COVO	SS96255POVO	1	10700
12.5 / 15 HP	9 - 14	SS96255COAO	SS96255POAO	1	10700
15 HP	11 - 18	SS96258COCO	SS96258POCO	1	10800
15 HP	13 - 22	SS96260CODO	SS96260PODO	1	10930

## MK1 FASD Starters [HSN Code 8536]

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	12800
10 HP	6 - 10	SS96254COVO	SS96254POVO	1	12800
12.5 / 15 HP	9 - 14	SS96254COAO	SS96254POAO	1	12800
15 HP	11 - 18	SS96257COCO	SS96257POCO	1	12930
15 HP	13 - 22	SS96259CODO	SS96259PODO	1	13000

Note : Please refer page no.20 for ST100 Timer



Interior View of MK1 DOL



Interior View of MK1 SASD



Interior View of MK1 FASD

Now with ST100 Timer

# Spares for MK1 Starters

## MK1 Spares [HSN Code 8538]



MK1 Spares

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1 Spares	Spare kit with hardware (4 sets of contacts)	CS909830000	50	980
	Single moving contact	SS910090000	10	95
	Push button unit	SS900040000	1	145
	Arc shield	SS500040000	1	170
	Contact bridge without contact	SS500050000	1	175
	Aux. contact block: 1NO + 1NC	SS901200000	50	350
	Thermal timer without combination coil	SS902240000	1	940
	MK1 Cover Screw	XS000120000	1000	20

## MK1 Coil [HSN Code 8538]



MK1 Standard Operating Coil

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1 Standard Operating Coil	220V	SS900440000	10	305
	230 / 250V	SS900450000	10	305
	360V	SS901650000	10	305
	400 / 440V	SS900470000	10	305
Wide Band Coil	360V-W (200V - 400V)	SS909930000	10	340

## MK1 Contactors [HSN Code 8536]



MK1 Contactor

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1 Contactors	220V	SS95200K000	10	2180
	230 / 250V	SS95200N000	10	2180
	360V	SS95200C000	10	2180
	360V-W (200V - 400V)	SS95200S000	10	2180
	400 / 440V	SS95200P000	10	2180

## MK1 Combination Coil [HSN Code 8538]



MK1 Combination Coil

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1 Combination Coil	Combination coils for 400 / 440V	SS904430000	10	710
	Combination coils for 360V	SS904460000	10	710

## MKT Relays [HSN Code 8536]



MKT Relay

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MKT Relays	0.5 - 1A	SS9003500KD	10	1170
	1 - 1.6A	SS9003500MD	10	1170
	1.5 - 2.5A	SS9003500PO	10	1170
	2.5 - 4A	SS9003500RO	10	1170
	4 - 6.5A	SS9003500TO	10	1170
	6 - 10A	SS9003500VD	10	1170
	9 - 14A	SS9003500AO	10	1170
	11 - 18A	SS9003600CO	10	1200
	13 - 22A	SS9188800DO	10	1330



# MK2 Starters



## MK2 DOL Starters [HSN Code 8536]



Interior View of MK2 DOL

Suitable for Pump/Motor 30, 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	CS90947S0DD	CS90947C0DD	CS90947P0DD	10	3440
7.5 HP	20 - 32	CS90947S0ED	CS90947C0ED	CS90947P0ED	10	3440

## MK2 SASD Starters [HSN Code 8536]



Interior View of MK2 SASD

Suitable for Pump/Motor 30, 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	CS91582S0DD	CS91582C0DD	CS91582P0DD	1	11980
15 HP	20 - 32	CS91582S0ED	CS91582C0ED	CS91582P0ED	1	11980

Now with ST100 Timer

## MK2 FASD Starters [HSN Code 8536]



Interior View of MK2 FASD

Suitable for Pump/Motor 30, 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	CS91583C0DD	CS91583P0DD	1	14360
15 HP	20 - 32	CS91583C0ED	CS91583P0ED	1	14360

Note : Please refer page no.20 for ST100 Timer



# Spares for MK2 Starters

## 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)	CS909560000	50	1390
	Single-moving contact	CS909510000	10	135
	Push button unit	SS900040000	1	145
	Arc shield	CS910130000	1	175
	Contact bridge without contact	CS910140000	1	160

## 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	SS900440000	10	305
	230 / 250V	SS900450000	10	305
	360V	SS901650000	10	305
	400 / 440V	SS900470000	10	305
	Wide Band Coil	360V-W (200V - 400V)	SS909930000	10

## MK2 Contactors [HSN Code 8536]



MK2 Contactor

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK2 Contactors	360V	CS909450000	10	2410
	360V-W (200V - 400V)	CS909453000	10	2410
	400 / 440V	CS90945P000	10	2410

## MK2 Relays [HSN Code 8536]



MK2 Relay

	Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK2 Relays	13 - 22A	CS909460000	10	1490
	20 - 32A	CS9094600E0	10	1490

# MK.i Starters

## Features

- › Equipped with a built-in SPPR, hence no need of separate wire connection and mounting of SPPR.
- › It provides voltage single phase protection, phase reversal and phase unbalance protection
- › Overload protection through Thermal Overload Relay
- › Wide Band Coil provides wide voltage range for coil operation
- › Auto/Manual/Bypass mode of operation
- › Benefits of emergency rocker switch and Auto/Manual/Bypass mode toggle switch which can be accessed from outside of the starter box.
- › In-built ON Delay Timer
- › Manual lock for OFF push button



## MK.i DOL Starters [HSN Code 8536]

NEW



Interior View of MK1.i

Starter Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Coil Voltage	Cat. No.	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
MK1.i	4 HP	4-6.5	360V-W (200V-400V)	CS91646SOTO	10	3705
MK1.i	6 HP	6-10	360V-W (200V-400V)	CS91646SOVO	10	3705
MK1.i	7.5 HP	9-14	360V-W (200V-400V)	CS91646SOAO	10	3705
MK1.i	7.5 HP	11-18	360V-W (200V-400V)	CS91646SODD	10	3775
MK1.i	7.5 HP	13-22	360V-W (200V-400V)	CS91646SODD	10	3845
MK2.i	7.5 HP	13-22	360V-W (200V-400V)	CS91647SODD	10	3970
MK2.i	7.5 HP	20-32	360V-W (200V-400V)	CS91647SOED	10	3970

## Upcoming Spares

### Spares [HSN Code 8538]

Type	Description	Cat. No.	Std. Pkg. (Nos.)
MK1 Contactor (For MK1.i)	360V-W (200V - 400V)	CS92199S000	10
MK2 Contactor (For MK2.i)	360V-W (200V - 400V)	CS92200S000	10

Note : For Spare SPPR, please contact your nearest sales office.

# Operate your pump remotely with **M-POWER++**



## Features

- › Compatible with LTE 4G/VoLTE
- › Operate your pump through missed call/IVRS/SMS
- › Regional languages are available for SMS/IVRS
- › Compatible with single phase and three phase starters and controllers (DOL, SASD & FASD)



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# MU / MB Starters



## MU / MB DOL 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		
MU1 DOL (with MU relay)	7.5 HP	9 - 14	SS95647COAO	SS95647DOAO	10	4720
	10 HP	13 - 21	SS95647COCO	SS95647DOCO	10	4890
	10 HP	15 - 25	SS95647CODO	SS95647DODO	10	4990
MUTH DOL (with MU relay)	10 HP	15 - 25	CS90622CODO	CS90622DODO	10	5240
	12.5 HP	20 - 32	CS90622COEO	CS90622DOEO	10	5530
MU2 DOL (with MU relay)	12.5 HP	13 - 21	SS95648COCO	SS95648DOCO	10	6160
	15 HP	20 - 32	SS95648COEO	SS95648DOEO	10	6580
	15 HP	24 - 38	SS95648COGO	SS95648DOGO	10	6750
MU3 DOL (with MU relay)	15 HP	24 - 38	CS90613COGO	CS90613DOGO	10	7630
	17.5 HP	28 - 42	CS90613COFO	CS90613DOFO	10	7920
MB1 DOL (with MN relay)	7.5 HP	9 - 15	SS95649COBO	SS95649DOBO	8	5580
	10 HP	14 - 23	SS95649CODO	SS95649DODO	8	5700
MB2 DOL (with MN relay)	12.5 HP	14 - 23	SS95650CODO	SS95650DODO	8	7620
	15 HP	20 - 33	SS95650COEO	SS95650DOEO	8	7970



Interior View of MU DOL

## MU / MB 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		
MU1 SASD (with MU relay)	12.5 HP	9 - 14	SS95891COAO	SS95891DOAO	1	13200
	15 HP	13 - 21	SS95891COCO	SS95891DOCO	1	13380
MU2 SASD (with MU relay)	20 HP	13 - 21	SS95893COCO	SS95893DOCO	1	16700
	30 HP	20 - 32	SS95893COEO	SS95893DOEO	1	17100
MU3 SASD (With MU Relay)	35 HP	24 - 38	CS91885COGO	CS91885DOGO	1	21380
	35 HP	28 - 42	CS91886COFO	CS91886DOFO	1	21580
MB1 SASD (with MN relay)	15 HP	14 - 23	SS95895CODO	SS95895DODO	1	16100
MB2 SASD (with MN relay)	20 HP	14 - 23	SS95897CODO	SS95897DODO	1	18930
	30 HP	20 - 33	SS95897COEO	SS95897DOEO	1	19380



Interior View of MU SASD

## MU / MB FASD Starters [HSN Code 8536]



Interior View of  
MU FASD

Starter Type	Suitable for Pump/Motor 30, 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	15530
	15 HP	13 - 21	SS95890COCO	SS95890DOCO	1	15690
MU2 FASD (with MU relay)	20 HP	13 - 21	SS95892COCO	SS95892DOCO	1	18800
	30 HP	20 - 32	SS95892COEO	SS95892DOEO	1	19210
MU3 FASD (With MU Relay)	35 HP	24 - 38	CS91887COGO	CS91887DOGO	1	23400
	35 HP	28 - 42	CS91888COFO	CS91888DOFO	1	23600
MB1 FASD (with MN relay)	12.5 HP	9 - 15	SS95894COBO	SS95894DOBO	1	17380
	15 HP	14 - 23	SS95894CODO	SS95894DODO	1	17550
MB2 FASD (with MN relay)	20 HP	14 - 23	SS95896CODO	SS95896DODO	1	21530
	30 HP	20 - 33	SS95896COEO	SS95896DOEO	1	21940

Note : MN relay is with single phase prevention feature.



# Spares for MU / MB Starters



MU1 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	3100
			MU1 415V	CS94007D000	10	3100
MU1H Contactor	22A	55A	MU1H 360V	CS90623C000	10	3300
			MU1H 415V	CS90623D000	10	3300
MU2 Contactor	25A	63A	MU2 360V	CS94008C000	10	4470
			MU2 415V	CS94008D000	10	4470
MU3 Contactor	32A	63A	MU3 360V	CS90609C000	10	5500
			MU3 415V	CS90609D000	10	5500



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	SS9655700TD	1	1470
	6 - 10A	SS9655700VG	1	1470
MU2 Relay	9 - 14A	SS9597900AD	1	1680
	13 - 21A	SS9597900CG	1	1780
	15 - 25A	SS9597900DD	1	1930
	20 - 32A	SS9597900EG	1	2200
	24 - 38A	SS9597900GG	1	2390
	28 - 42A	SS9597900FG	1	2590

## MU Contactor Spares [HSN Code 8538]



MU Contact Bridge



MU ADD-ON Block

Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
MU1 contact bridge	CS949940000	10	180
MU1H contact bridge	CS910990000	10	180
MU2 contact bridge	CS949940000	10	180
MU3 contact bridge	CS910960000	10	180
MU1 single moving contact	CS949950000	1	195
MU1H single moving contact	CS911020000	1	295
MU2 single moving contact	CS949960000	1	415
MU3 single moving contact	CS911030000	1	570
MU-Add ON Block - 1NO + 1NC (LHS)	SS940720000	10	380
ADD-ON Block MU-A1 (1NC) (Left)	SS940740000	10	295

## Spares For MU / MB [HSN Code 8538]



MU Spare Kit



MU Coil



MU Spare Housing



Relay Extension Knob



Timer - ST100

Component	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
Spare Kit	MU1	CS940100000	1	1350
	MU1H	CS906240000	1	1760
	MU2	CS940110000	1	2500
	MU3	CS906120000	1	3070
MU Coils	240V	CS94009B000	10	695
	360V	CS94009C000	10	695
	415V	CS94009D000	10	695
Spare Relay Extension Knob (Pack of 20 Nos.)	MU1	CS943360000	1	170
	MU2	CS943370000	1	170
Spare Housing	MU1	CS949980000	10	370
	MU1H	CS910980000	10	370
	MU2	CS949990000	10	370
	MU3	CS910600000	10	370

## Electronic Star-Delta Timer [HSN Code 9107]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
Electronic Star-Delta Timer type ST100 150 - 500V, for 3 - 30 sec.	ST803280000	1	2020

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



# Operate your pump from anywhere at anytime

## M-POWER Pro



Technology at your fingertips

**SMARTCOMM**  
Agri Connect



- With timer operations
- Easy three wire connection



### EASE OF OPERATION

Ease and convenience in operating pump from anywhere, anytime through SMS, IVRS and SMARTCOMM 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 SMARTCOMM 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 & phase unbalance faults



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# 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	SS91854C0A0	SS91854P0A0	1	9130
	12.5 HP	13 - 21	SS91854C0C0	SS91854P0C0	1	9130
	15 HP	20 - 32	SS91854C0E0	SS91854P0E0	1	9130
ML2 DOL (Heavy duty)	7.5 HP	9 - 14		SS90702P0A0	1	15730
	10/12.5 HP	13 - 21	SS90702C0C0	SS90702P0C0	1	15730
	20 HP	20 - 32	SS90702C0E0	SS90702P0E0	1	15730

## ML SASD Starters [HSN Code 8536]



Interior View of ML 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 440V		
ML1.5 SASD	20 HP	13 - 21	SS91856C0C0	SS91856P0C0	1	21800
	25 HP	20 - 32	SS91856C0E0	SS91856P0E0	1	21800
ML2 SASD (Heavy duty)	20 HP	13 - 21	SS90707C0C0	SS90707P0C0	1	38500
	35 HP	20 - 32	SS90707C0E0	SS90707P0E0	1	38500

## ML FASD Starters [HSN Code 8536]



Interior View of ML 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 440V		
ML1.5 FASD	12.5 HP	9 - 14	SS91855C0A0	SS91855P0A0	1	24700
	20 HP	13 - 21	SS91855C0C0	SS91855P0C0	1	24700
	25 HP	20 - 32	SS91855C0E0	SS91855P0E0	1	24700
ML2 FASD (Heavy duty)	12.5 HP	9 - 14		SS90705P0A0	1	39960
	20 HP	13 - 21	SS90705C0C0	SS90705P0C0	1	39960
	35 HP	20 - 32	SS90705C0E0	SS90705P0E0	1	39960

# Spares for ML Starters



ML1.5 Contactor



ML2W Contactor



Standard Operating Coil ML1.5



Standard Operating Coil ML2 / ML3



Standard Operating Coil ML4 / ML4W



Spare kit

## 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	4940
	ML2W	32	40	2 NO + 2 NC	CS96005L000	1	9590
	ML3W	40	45	2 NO + 2 NC	CS90907L000	1	14400
	ML4W	70	100	2 NO + 2 NC	CS96006L000	1	23540
	ML5W	110	125	2 NO + 2 NC	CS90168L000	1	37950

## 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	970
	360V	SS90873C000	10	970
	380V	SS90873L000	10	970
	440V	SS90873P000	10	970
Standard Operating Coils for ML2/ML2W/ML3/ML3W Contactor	240V	SS90545B000	10	1790
	360V	SS90545C000	10	1790
	380V	SS90545L000	10	1790
	440V	SS90545P000	10	1790
Standard Operating Coils for ML4/ML4W Contactor	240V	SS91258B000	10	3510
	360V	SS91258C000	10	3510
	380V	SS91258L000	10	3510
	440V	SS91258P000	10	3510

## ML1.5 [HSN Code 8538]

Spare kit without coil	ML1.5	SS953050000	50	2435
Moving contacts kit	ML1.5	SS928170000	10	835
Front Housing & Moving Bridge kit	ML1.5	ST287340000	10	925

## ML2 [HSN Code 8538]

Spare kit without coil	ML2	SS953070000	10	4450
Moving contacts kit	ML2	SS928180000	10	1270
Front Housing & Moving Bridge kit	ML2	ST238660000	10	1270

## ML Relay [HSN Code 8536]



ML1 Relay



ML2 / ML3 Relay

Type of Mounting (Operation)	Relay Range (A)	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
<b>ML1</b>				
(Directly Operated)	4 - 6.5	SS9185800T0	10	3420
Direct Mounting	6 - 10	SS9185800V0	10	3420
	10 - 16	SS9185800B0	10	3420
<b>ML2 / ML3</b>				
(Directly Operated)	9 - 14	SS9185900A0	2	5050
Direct Mounting	13 - 21	SS9185900C0	2	5050
	20 - 32	SS9185900E0	2	5050
	28 - 42	SS9185900F0	2	5050



# MU-Automatic DOL Starters



Now available with emergency OFF rocker switch

## MU-Automatic DOL Starter [HSN Code 8536]



Interior View of MU-A DOL

Starter Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.B.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 415V		
MU-1A DOL (with Sz5 SPPR)	3 HP	4 - 6.5	CS90898COTO	CS90898DOTO	1	6700
	5 HP	6 - 10	CS90898COVO	CS90898DOVO	1	6700
	7.5 HP	9 - 14	CS90898COAO	CS90898DOAO	1	6820
	10 HP	13 - 21	CS90898COCO	CS90898DOCOCO	1	6940
MU-1HA DOL (with Sz5 SPPR)	10 HP	15 - 25	CS90898CODO	CS90898DODO	1	7080
	12.5 HP	20 - 32	CS90899COEO	CS90899DOEO	1	7460
MU-2A DOL (with Sz5 SPPR)	12.5 HP	13 - 21	CS90900COCO		1	8220
	15 HP	20 - 32	CS90900COEO	CS90900DOEO	1	8550
	15 HP	24 - 38	CS90900COGO	CS90900DOGO	1	8690
MU-3A DOL (with Sz5 SPPR)	15 HP	24 - 38	CS90901COGO	CS90901DOGO	1	9120
	17.5 HP	28 - 42	CS90901COFO	CS90901DOFO	1	9330



# MF1 Three Phase Starters



## MF1 Three Phase Starters [HSN Code 8536]



Interior View of MF1 DOL - 3Ø Starter

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	SS9721000HO	1	2460
0.25 HP	0.6 - 1	SS9721000KO	1	2460
0.5 HP	1 - 1.6	SS9721000MO	1	2460
1.25 HP	1.5 - 2.5	SS9721000PO	1	2460
2 HP	2.5 - 4	SS9721000RO	1	2460
4 HP	4 - 6.5	SS9721000TO	1	2460
6 HP	6 - 10	SS9721000VO	1	2460
7.5 HP	9 - 15	SS9721000BO	1	2460
7.5 HP	11 - 18	SS9721000CO	1	2460

**Note:** These are make-to-order products and are subject to availability. Please contact the nearest sales office for order queries and further details.



# Automatic Operation With Extra Protection **STARTER+**



## MD Starter+ DOL

With i-ADSM - Current Sensing-Based Protection  
With i-VDSM - Voltage Sensing-Based Protection



### Features

-  Dry Run Protection
-  Current/Voltage Based Protections: Phase Loss, Phase Unbalance, Phase Reversal
-  Undervoltage and Overvoltage Protection
-  Digital Metering, ON Delay Timer, Star Delta Timer



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# MD Starter+



## MD Starter+ DOL [HSN CODE 8536]

Starter Type	Suitable for Pump/ Motor (3Ø, 415V, 50Hz)	I-PROTECTOR	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
				Coil Voltage 360 V	Coil Voltage 415 V		
MD1-IU	5 HP	I-ADSM	6-10		CS91753DOVO	1	9670
MD1-IU	7.5 HP	I-ADSM	9-14	CS91753COAO	CS91753DOAO	1	9670
MD1-IU	10 HP	I-ADSM	13-21	CS91753COCO	CS91753DOCD	1	9730
MD1-IU	10 HP	I-ADSM	15-25	CS91753CODO	CS91753DODO	1	9820
MD1H-IU	12.5 HP	I-ADSM	13-21	CS91754COCO	CS91754DOCD	1	9920
MD1H-IU	12.5 HP	I-ADSM	15-25	CS91754CODO	CS91754DODO	1	10040
MD1H-IU	12.5 HP	I-ADSM	20-32	CS91754COEO	CS91754DOEO	1	10190
MD2-IU	12.5 HP	I-ADSM	13-21	CS91755COCG	CS91755DOCG	1	10880
MD2-IU	12.5 HP	I-ADSM	15-25	CS91755CODO	CS91755DODO	1	10970
MD2-IU	15 HP	I-ADSM	20-32	CS91755COEO	CS91755DOEO	1	11100
MD2-IU	15 HP	I-ADSM	24-38	CS91755COGO	CS91755DOGO	1	11190
MD3-IU	17.5 HP	I-ADSM	20-32	CS91756COEO	CS91756DOEO	1	11590
MD3-IU	17.5 HP	I-ADSM	24-38	CS91756COGO	CS91756DOGO	1	11670
MD3-IU	20 HP	I-ADSM	28-42	CS91756COFO	CS91756DOFO	1	11750
MD1-IU	7.5 HP	I-VDSM	9-14	CS91757COAO	CS91757DOAO	1	9670
MD1-IU	10 HP	I-VDSM	13-21	CS91757COCO	CS91757DOCD	1	9730
MD1-IU	10 HP	I-VDSM	15-25	CS91757CODO	CS91757DODO	1	9820
MD1H-IU	12.5 HP	I-VDSM	13-21	CS91758COCO	CS91758DOCD	1	9920
MD1H-IU	12.5 HP	I-VDSM	15-25	CS91758CODO	CS91758DODO	1	10040
MD1H-IU	12.5 HP	I-VDSM	20-32	CS91758COEO	CS91758DOEO	1	10190
MD2-IU	12.5 HP	I-VDSM	13-21	CS91759COCO	CS91759DOCG	1	10880
MD2-IU	12.5 HP	I-VDSM	15-25	CS91759CODO	CS91759DODO	1	10970
MD2-IU	15 HP	I-VDSM	20-32	CS91759COEO	CS91759DOEO	1	11100
MD2-IU	15 HP	I-VDSM	24-38	CS91759COGO	CS91759DOGO	1	11190
MD3-IU	17.5 HP	I-VDSM	20-32	CS91760COEO	CS91760DOEO	1	11590
MD3-IU	17.5 HP	I-VDSM	24-38	CS91760COGO	CS91760DOGO	1	11670
MD3-IU	20 HP	I-VDSM	28-42	CS91760COFO	CS91760DOFO	1	11750



Interior View of MD Starter+ DOL Starter

## MD Starter+ FASD [HSN CODE 8536]

Starter Type	Suitable for Pump/ Motor (30, 415V, 50Hz)	/-PROTECTOR	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
				Coil Voltage 360 V	Coil Voltage 415 V		
MD1-iU	15 HP	/-ADSM	9-14	CS91778COAO	CS91778DOAO	1	18930
MD1-iU	20 HP	/-ADSM	13-21	CS91778COCO	CS91778DOCO	1	19140
MD1H-iU	25 HP	/-ADSM	15-25	CS91779COEO	CS91779DOEO	1	20000
MD2-iU	20 HP	/-ADSM	13-21	CS91780COCO	CS91780DOCO	1	23330
MD2-iU	25 HP	/-ADSM	15-25	CS91780CODO	CS91780DODO	1	23520
MD2-iU	30 HP	/-ADSM	20-32	CS91780COEO	CS91780DOEO	1	23810
MD2-iU	30 HP	/-ADSM	28-42	CS91780COFO	CS91780DOFO	1	24340
MD3-iU	30 HP	/-ADSM	20-32	CS91781COEO	CS91781DOEO	1	27670
MD3-iU	30 HP	/-ADSM	24-38	CS91781COGO	CS91781DOGO	1	27980
MD3-iU	30 HP	/-ADSM	28-42	CS91781COFO	CS91781DOFO	1	28170
MD1-iU	15 HP	/-VDISM	9-14	CS91768COAO	CS91768DOAO	1	18930
MD1-iU	20 HP	/-VDISM	13-21	CS91768COCO	CS91768DOCO	1	19140
MD1H-iU	25 HP	/-VDISM	15-25	CS91782COEO	CS91782DOEO	1	20000
MD2-iU	20 HP	/-VDISM	13-21	CS91783COCO	CS91783DOCO	1	23330
MD2-iU	25 HP	/-VDISM	15-25	CS91783CODO	CS91783DODO	1	23520
MD2-iU	30 HP	/-VDISM	20-32	CS91783COEO	CS91783DOEO	1	23810
MD2-iU	30 HP	/-VDISM	28-42	CS91783COFO	CS91783DOFO	1	24340
MD3-iU	30 HP	/-VDISM	20-32	CS91784COEO	CS91784DOEO	1	27670
MD3-iU	30 HP	/-VDISM	24-38	CS91784COGO	CS91784DOGO	1	27980
MD3-iU	30 HP	/-VDISM	28-42	CS91784COFO	CS91784DOFO	1	28170





## MU-GiA Multi-Motor Controller

### Features

- › Auto/Manual/Bypass mode of operations
- › Built-in timers for auto operation
- › Robust design, suitable for outdoor applications
- › Easy to operate and maintain
- › With built-in Isolator and K-Curve MCB

**Multi-Motor Control  
Available for  
4 Motor, 2 Motor and  
1 Motor application**

### HSN CODE 8538

Cat No.	Description
CS92082D0L0	Three Phase Controller for 4-Motor Application
CS92083D0L0	Three Phase Controller for 2-Motor Application
CS92084D0D0	Three Phase Controller for 1-Motor Application

Note: For more details, please contact nearest sales office.



### AGRI CUSTOMER CARE

Tel: +91-22-69327800  
E-mail: [clc@LK-EA.com](mailto:clc@LK-EA.com)

# Px3000

Solar Drive Controller

## EMPOWERING GREEN IRRIGATION SOLUTION

 <p>True MPPT</p>	 <p>Robust design to handle high input DC voltage up to 850V</p>	 <p>Grid Compatible</p>
 <p>Auto &amp; Adaptable MPPT</p>	 <p>Rugged design, best-in-class performance even at 50 degrees ambient without derating</p>	 <p>Built-in RS485</p>
 <p>Plug &amp; Play Drive</p>	 <p>Automatic Start &amp; Stop</p>	 <p>Wide operation range Vmpp Range: 250V~750Vdc Voc Range: 300V~850Vdc</p>



[HSN Code: 8504]

Px3000 Solar Drive Controller	Cat. No.
5 HP	EAVF-P4009P0BAA
7.5 HP	EAVF-P4014P0BAA
10 HP	EAVF-P4018P0BAA



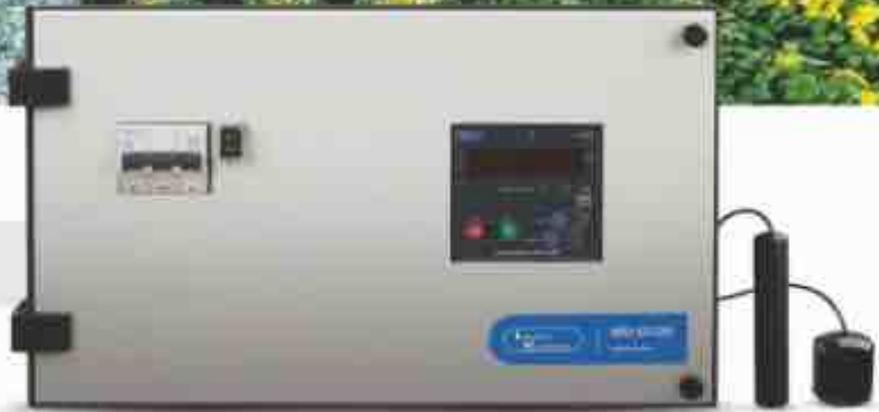
### AGRI CUSTOMER CARE

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# SMART CONTROLLER

A Complete Solution for Smart  
and Sustainable Irrigation

AVAILABLE  
UP TO 75HP



**Theft  
Protection**  
of your Controller,  
Pump and Cable



**Complete  
Protection**  
for all electrical faults  
including dry run



**Remote  
Operation**  
manage your Controller  
through Call, SMS &  
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# MU-G6 / 7.5 / 10 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)	SS97756COT0	1	8540
	5 HP	6 - 10	360V-W (200V-400V)	SS97756COV0	1	8540
	6 HP	9 - 14	360V-W (200V-400V)	SS97756COA0	1	8540

## MU-G7.5 DOL (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G7.5 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
	HP	KW					
MU-G7.5 DOL	7.5	5.5	13 - 22	360V-W (200V - 400V)	CS92103SOD0	1	9050
	7.5	5.5	20 - 32	360V-W (200V - 400V)	CS92103SOE0	1	9050

## 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	SS95983COT0	SS95983DOTO	1	9870
	5	3.7	6 - 10	SS95983COV0	SS95983DOVG	1	9870
	6	4.5	9 - 14	SS95983COA0	SS95983DOAQ	1	9990
	7.5/10	5.5/7.5	13 - 21	SS95983COCO	SS95983DOCG	1	10150
MU-G10HN DOL	10	7.5	15 - 25	CS92102CODO	CS92102DODO	1	10280
	10	7.5	20 - 32	CS92102COEO	CS92102DOEO	1	10470
MU-G10H DOL (Heavy duty)	10	7.5	20 - 32	SS95974COEO	SS95974DOEO	1	11470
	10	7.5	28 - 42	SS95974COFO	SS95974DOFO	1	11770

# MU-G15 / 17.5 / 20 / 25 Three Phase Submersible Pump Controllers (With Single Phase Preventer)



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



Interior View of MU-G15 FASD

Type	Maximum Submersible Pump Rating at 30, 415V, 50Hz		Relay Range (A)	Cat. No. Coil Voltage 360V-W (290V - 400V)	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
	HP	KW				
MU-G15 FASD	7.5	5.6	6 - 10	CS94091SOVO	1	16560
	10	7.5	9 - 14	CS94091SDAO	1	16560
	15	11	11 - 18	CS94091SOCO	1	16710
	15	11	13 - 22	CS94091SODO	1	16780

## MU-G17.5 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of MU-G17.5 FASD

Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No. Coil Voltage 360V-W (200V - 400V)	Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
	HP				
MU-G17.5 FASD	17.5	13 - 22	CS91880SODO	1	18270
	17.5	20 - 32	CS91880SOEO	1	18270

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



Interior View of MU-G20 FASD

Type	Maximum Submersible Pump Rating at 30, 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	SS95984DQAO	1	19350
	15/20	11/15	13 - 21	SS95984COCO	SS95984DOCO	1	19460
MU-G20HN FASD	20	15	15 - 25	CS92101CODO	CS92101DODO	1	20200
	20	15	20 - 32	CS92101COEO	CS92101DOEO	1	20480
MU-G20H FASD (Heavy duty)	20	15	20 - 32	SS95975COEO	SS95975DOEO	1	23990
	20	15	28 - 42	SS95975COFO	SS95975DOFO	1	24510

## MU-G25 FASD (With Wideband Coil) [HSN Code 8536]



Interior View of  
MU-G25 FASD

Type	Maximum Submersible Pump Rating at 3Ø, 415V, 50Hz HP	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P. ₹ Per Unit
			Coil Voltage 360V	Coil Voltage 415V		
MU-G25 FASD	25	24 - 38	CS91969C0G0	CS91969D0G0	1	28990
	25	28 - 42	CS91969C0F0	CS91969D0F0	1	29230



# MU-G30 / 40 / 50 / 75 Three Phase Submersible Pump Controllers (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	38210
	30 HP	30 - 50	380V	CS96008COGO	1	39110



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	46400
	40 HP	36 - 60	380V	CS90908LOTG	1	47170



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	61920
	50 HP	45 - 75	380V	CS96009COJO	1	63790



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	88500
	75 HP	66 - 110	380V	CS96451LOKO	1	88500

# MU-G 10W / 20W / 30W Three Phase Submersible Controllers (With WLC & SPPR)



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

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	CS91037COTD	CS91037D0TD	1	14200
	5	3.7	6 - 10	CS91037COVD	CS91037D0VD	1	14200
	7.5	5.5	9 - 14	CS91037COAO	CS91037D0AO	1	14200
MU-G10W DOL (Heavy duty) with in-built WLC	10	7.5	13 - 21	CS91037COCO	CS91037D0CO	1	14200
	10	7.5	20 - 32		CS91037D0EO	1	16030
	10	7.5	28 - 42	CS91037COFO		1	16030

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

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		CS91038D0AO	1	24250
	20	15	13 - 21	CS91038COCO	CS91038D0CO	1	24250
MU-G20W FASD (Heavy duty) with in-built WLC	20	15	20 - 32	CS91038COEO	CS91038D0EO	1	28990
	20	15	28 - 42		CS91038D0FO	1	28990

## MU-G30W 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-G30W FASD with in-built WLC	30 HP	30 - 50	380V	CS91039C000	1	44990

# Spares for MU-G Submersible Pump Controllers



Terminal Block  
60A-3 Way

Terminal Block  
30A-5 Way



Terminal Block  
100A-3 Way

## 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	270
Terminal Block 60A - 3 way (For MU-G10/20)	CS948060000	1	230
Terminal Block 100A - 3 way (For MU-G30/50)	CS943380000	1	1320
Terminal Block 125A - 3 way (For MU-G75)	CS901720000	1	4860



Spare Lamp

Indicating Lamp  
Red & Green



Rocker Switch

## Indicating lamp [HSN Code 8531]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
Indicating lamp Red 415V	CS94810D000	1	350
Indicating lamp Green 415V	CS94812D000	1	350
Spare Lamp, MR-G Controller	CS961260000	1	90

## 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	100
Rocker switch (For MU-G30 to MU-G75)	CS902720000	1	170
Voltage selector switch	CS943350000	1	500

## Volt-Ammeter [HSN Code 9030]



Ammeter

Volt-Ammeter

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
Volt-Ammeter 500V, 30A	CS94817E0E0	1	1490
Volt-Ammeter 500V, 60A	CS94817E0T0	1	1540
Volt-Ammeter 500V, 0-75A	CS900550000	1	1540
Volt-Ammeter 500V, 0-100A	CS900560000	1	1540
Volt-Ammeter 500V, 0-125A	CS900570000	1	1540
30A Ammeter Spare for MR-G Controller	CS950260000	1	650
Volt-Ammeter (30A, 300V AC) for MR-G Controller	CS960280000	1	1140

## SPPR [HSN Code 9032]

With Settable Time  
ON Delay 30sec - 5min



SPPR Type Sz5 (7 Wire & 6 Wire)

With Settable Time  
ON Delay 30sec - 5min



SPPR Type SDz5

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

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
SPPR type Sz5 (7 Wire), 380V	ST921660000	1	980
SPPR type Sz5 (6 Wire), 360V (For MU-G10/10H)	CS94824C000	1	980
SPPR type Sz5 (6 Wire), 380V (For MU-G6)	CS94824L000	1	980
SPPR type Sz5 (6 Wire), 415V (For MU-G10/10H)	CS94824D000	1	980
SPPR type SDz5, 360V (For MU-G20/20H)	XM818080000	1	1890
SPPR type SDz5, 380V (For MU-G30/40/50/75)	XM818070000	1	1890
SPPR type SDz5, 415V (For MU-G15/20/20H)	XM818090000	1	1890
SPPR type Sz5 (6 long wire), 360V (FOR MU-G10/10H)	CS94855C000	1	1080
SPPR type Sz5 (6 long wire), 415V (FOR MU-G10/10H)	CS94855D000	1	1080

## ON-OFF Plugs [HSN Code 8538]



Spare  
ON-OFF plug

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
Spare plug MU-G6 (Bulk of 10)	ST155910000	1	125
Spare plug MU-10 (Bulk of 10)	ST155920000	1	140
Spare plug MU-15 (Bulk of 10)	ST155930000	1	150
Spare plug MU-20 (Bulk of 10)	ST155940000	1	155
Spare plug MU-30 (Bulk of 10)	ST155950000	1	160
Spare plug MU-50 (Bulk of 10)	ST155960000	1	165
Spare plug MU-75 (Bulk of 10)	ST155970000	1	165

## Upcoming Spares

### Spares [HSN Code 8538]

Description	Cat. No.
Terminal Block 30A - 3 way (For MU-G6)	XM807500000
Red & Green, Relay Extension Button Kit (For MN 2/5 Relay)	SS949680000

# MN Relay & ML Spares

## 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
<b>MN 2</b>				
(Directly Operated)	6 - 10	SS9414200VO	10	1750
	9 - 15	SS9414200BO	10	1810
Direct Mounting	14 - 23	SS9414400DO	10	1960
	20 - 33	SS9414500EO	10	2890
<b>MN 5</b>				
(Directly Operated)	20 - 33	SS9413600EO	10	3600
	30 - 50	SS9413600GO	10	4490
Direct Mounting	36 - 60	SS9413600TO	10	4770
	45 - 75	SS9413700JO	10	5140
	66 - 110	SS9413700KO	10	5860

## ML Spares [HSN Code 8538]

Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
Spare Kit ML3	SS953090000	10	7865
Spare Kit ML4	SS953110000	10	11655
Spare Kit ML6	SS953130000	10	21560
Front Housing & Bridge Assembly Kit ML3	ST238660000	1	1270
Front Housing & Bridge Assembly Kit ML4/6	ST287350000	1	2300

# MU-G SMART Controllers

## Features

- › In-built 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 (In-built MCB with K-Curve & MCCB)
- › Voltage and current based protection for all faults with individual protection Enable/Disable feature
- › In-built 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 SMARTCOMM 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

With in-built short-circuit protection device



## MU-G6S SMART Controller DOL [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		
South	English, Hindi, Kannada, Telugu, Tamil	MU-G6S	6 HP	4 - 22	CS91206CSDO	CS91206PSDO	1	19900
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G6S	6 HP	4 - 22	CS91206CNDO	CS91206PNDO	1	19900
East	English, Hindi, Odia, Assamese, Bengali	MU-G6S	6 HP	4 - 22	CS91206CEDO	CS91206PEDO	1	19900



Interior View of MU-G6S

## MU-G10S & MU-G10HS SMART Controller DOL [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		
South	English, Hindi, Kannada, Telugu, Tamil	MU-G10S	10 HP	4 - 22	CS91205CSDO	CS91205DSDO	1	21070
		MU-G10HS	10 HP	20 - 42	CS91207CSFO	CS91207DSFO	1	22240
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G10S	10 HP	4 - 22	CS91205CNDO	CS91205DNDO	1	21070
		MU-G10HS	10 HP	20 - 42	CS91207CNFO	CS91207DNFO	1	22240
East	English, Hindi, Odia, Assamese, Bengali	MU-G10S	10 HP	4 - 22	CS91205CEDO	CS91205DEDO	1	21070
		MU-G10HS	10 HP	20 - 42	CS91207CEFO	CS91207DEFO	1	22240



Interior View of MU-G10S

# MU-G SMART Controllers



With in-built short-circuit protection device

## MU-G15S SMART Controller FASD [HSN Code 8536]



Interior View of MU-G15S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360-W (200V-400V)	Coil Voltage 400/440V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G15S	15 HP	4 - 22	CS91529CNDO	CS91529PNDO	1	27000
South	English, Hindi, Kannada, Telugu, Tamil	MU-G15S	15 HP	4 - 22	CS91529CSDO	CS91529PSDO	1	27000
East	English, Hindi, Assamese, Odia, Bengali	MU-G15S	15 HP	4 - 22	CS91529CEDO	CS91529PEDO	1	27000

## MU-G15HS SMART Controller FASD [HSN Code 8536]



Interior View of MU-G15HS

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360-W (200V-400V)	Coil Voltage 400/440V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G15HS	15 HP	13 - 32	CS91530CNEO	CS91530PNEO	1	30630
South	English, Hindi, Kannada, Telugu, Tamil	MU-G15HS	15 HP	13 - 32	CS91530CSEO	CS91530PSEO	1	30630
East	English, Hindi, Assamese, Odia, Bengali	MU-G15HS	15 HP	13 - 32	CS91530CEE0	CS91530PEEO	1	30630

## MU-G20S SMART Controller FASD [HSN Code 8536]



Interior View of MU-G20S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360 V	Coil Voltage 415 V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G20S	20 HP	4 - 22	CS91531CNDO	CS91531DNDO	1	29750
South	English, Hindi, Kannada, Telugu, Tamil	MU-G20S	20 HP	4 - 22	CS91531CSDO	CS91531DSDO	1	29750
East	English, Hindi, Assamese, Odia, Bengali	MU-G20S	20 HP	4 - 22	CS91531CEDO	CS91531DEDO	1	29750
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G20S	20 HP	13 - 32	CS91531CNEO	CS91531DNEO	1	33480
South	English, Hindi, Kannada, Telugu, Tamil	MU-G20S	20 HP	13 - 32	CS91531CSEO	CS91531DSEO	1	33480
East	English, Hindi, Assamese, Odia, Bengali	MU-G20S	20 HP	13 - 32	CS91531CEE0	CS91531DEEO	1	33480

## MU-G20HS SMART Controller FASD [HSN Code 8536]



Interior View of  
MU-G20HS

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360 V	Coil Voltage 415 V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G20HS	20 HP	13 - 42	CS91532CNFO	CS91532DNFO	1	38970
South	English, Hindi, Kannada, Telugu, Tamil	MU-G20HS	20 HP	13 - 42	CS91532CSFO	CS91532DSFO	1	38970
East	English, Hindi, Assamese, Odia, Bengali	MU-G20HS	20 HP	13 - 42	CS91532CEFO	CS91532DEFO	1	38970

## MU-G25S SMART Controller FASD [HSN Code 8536]



Interior View of  
MU-G25S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No.		Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
					Coil Voltage 360 V	Coil Voltage 415 V		
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G25S	25 HP	24 - 42	CS91533CNFO	CS91533DNFO	1	41600
South	English, Hindi, Kannada, Telugu, Tamil	MU-G25S	25 HP	24 - 42	CS91533CSFO	CS91533DSFO	1	41600
East	English, Hindi, Assamese, Odia, Bengali	MU-G25S	25 HP	24 - 42	CS91533CEFO	CS91533DEFO	1	41600



# MU-G SMART Controllers

## MU-G30S SMART Controller FASD [HSN Code 8536]



Interior View of  
MU-G30S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No. Coil Voltage 380V	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G30S	30 HP	20 - 50	CS91651LNGO	1	55320
South	English, Hindi, Kannada, Telugu, Tamil	MU-G30S	30 HP	20 - 50	CS91651LSGO	1	55320
East	English, Hindi, Assamese, Odia, Bengali	MU-G30S	30 HP	20 - 50	CS91651LEGO	1	55320

## MU-G40S SMART Controller FASD [HSN Code 8536]



Interior View of  
MU-G40S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No. Coil Voltage 380V	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G40S	40 HP	30 - 60	CS91652LNTO	1	63070
South	English, Hindi, Kannada, Telugu, Tamil	MU-G40S	40 HP	30 - 60	CS91652LSTO	1	63070
East	English, Hindi, Assamese, Odia, Bengali	MU-G40S	40 HP	30 - 60	CS91652LETO	1	63070

## MU-G50S SMART Controller FASD [HSN Code 8536]



Interior View of  
MU-G50S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No. Coil Voltage 380V	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G50S	50 HP	30 - 75	CS91653LNJO	1	91450
South	English, Hindi, Kannada, Telugu, Tamil	MU-G50S	50 HP	30 - 75	CS91653LSJO	1	91450
East	English, Hindi, Assamese, Odia, Bengali	MU-G50S	50 HP	30 - 75	CS91653LEJO	1	91450

## MU-G75S SMART Controller FASD [HSN Code 8536]



Interior View of  
MU-G75S

Suitable Region	IVRS Languages	Type	Suitable for Pump/Motor 30, 415V, 50Hz	Relay Range (A)	Cat. No. Coil Voltage 380V	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
North	English, Hindi, Marathi, Gujarati, Punjabi	MU-G75S	75 HP	45 - 90	CS91654LNKO	1	116500
South	English, Hindi, Kannada, Telugu, Tamil	MU-G75S	75 HP	45 - 90	CS91654LSKO	1	116500
East	English, Hindi, Assamese, Odia, Bengali	MU-G75S	75 HP	45 - 90	CS91654LEKO	1	116500

# Spares for MU-G SMART Controllers



## SMART Controller Spares [HSN Code 8538]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
i-Smart for DOL without WLC	CS914130*00	1	16990
i-Smart for FASD without WLC (upto 25HP)	CS914140*00	1	21320
i-Smart for FASD without WLC (30-75HP)	CS914150*00	1	25600
Spare CT Assembly DOL (And FASD Upto 25 HP)	CS910950000	1	1830
Spare CT Assembly FASD (30-75 HP)	CS916480000	1	2410
Spare Battery Pack	CS914170000	1	1340

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



# Simplifying Water Control Challenges



## WLC SzLC Series

### Features



Settable Off-timer ranging from 15-150 minutes



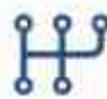
Power On Delay Timer- 3-30 seconds



Application: Single & Double Tank



LED Indication



Auto/Manual/Bypass operating mode available \*



Use for Single Phase Monoset and Submersible Pump upto 3 HP and for Three Phase Submersible Pump

\* AUTO/OFF - SzLC  
 AUTO/MANUAL/BYPASS - SzLC1 & SzLC2



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# Single Phase Starters

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



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	CS90319KOMD	1	2550
0.25 HP	1.5 - 2.5	CS90319KOPO	1	2550
0.5 HP	2.5 - 4	CS90319KORO	1	2550
0.75 HP	4 - 6.5	CS90319KOTO	1	2550
1 HP	6 - 10	CS90319KOVO	1	2550
2 HP	9 - 14	CS90319KOAD	1	2550
2 HP	11 - 18	CS90319KOCO	1	2550
3 HP	13 - 22	CS90319KODO	1	2600

## MF1 Single Phase Starters [HSN Code 8536]



MF1 DOL - 1Ø Starter

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	SS9722700TD	1	1860
1.25 HP	6.5 - 11	SS9722700VD	1	1860
2 HP	10.5 - 17.5	SS9722700BD	1	1860
3 HP	12 - 20	SS9722700CD	1	1860

Note: These are make-to-order products and are subject to availability. Please contact the nearest sales office for order queries and further details.



# MF-G1 Single Phase Submersible Pump Controllers



With MF1 Starter

## MF-G1 Controller [HSN Code 8536]

Starter Type	Maximum Submersible Pump Rating at 10, 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	SS9772800VE	1 x 36	4100
MF-G1 with Ammeter Only	0.5 HP	6.5 - 11	SS9773400VC	1 x 25	3780
MF-G1 with Ammeter and Voltmeter	1 HP	6.5 - 11	SS9773000VE SS9773000VG	1 x 36 1 x 50	4290
MF-G1 with Ammeter Only	1 HP	6.5 - 11	SS9773600VE SS9773600VG	1 x 36 1 x 50	3950
MF-G1 with Ammeter and Voltmeter	1 HP	12 - 20	SS9773000CE SS9773000CG	1 x 36 1 x 50	4290
MF-G1 with Ammeter Only	1 HP	12 - 20	SS9773600CE SS9773600CG	1 x 36 1 x 50	3950
MF-G1 with Ammeter and Voltmeter	1.5 HP	6.5 - 11	SS9773100VG SS9773100VF	1 x 50 2 x 36	4420
MF-G1 with Ammeter Only	1.5 HP	6.5 - 11	SS9773700VF	2 x 36	4090
MF-G1 with Ammeter and Voltmeter	1.5 HP	12 - 20	SS9773100CG SS9773100CF	1 x 50 2 x 36	4420
MF-G1 with Ammeter Only	1.5 HP	12 - 20	SS9773700CG SS9773700CF	1 x 50 2 x 36	4090
MF-G1 with Ammeter and Voltmeter	2 HP	12 - 20	SS9773200CG SS9773200CF	1 x 50 2 x 36	4500
MF-G1 with Ammeter Only	2 HP	12 - 20	SS9773800CG SS9773800CF SS9773800CH	1 x 50 2 x 36 2 x 50	4140

Note: These are make-to-order products and are subject to availability.  
Please contact the nearest sales office for order queries and further details.

# Reduce Water Wastage Through Automation Digital Single Phase Controller



## Manual 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
- Automatic Current Setting

## Auto version

- 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
- Time Compensation

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# MR-G2 / MR-G3 Single Phase Submersible Pump Controllers



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

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

Type	Maximum Submersible Pump Rating at 10, 230V, 50Hz	Cat. No.	Relay Range (A)	Start Capacitor 275V, 50Hz	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	-	4920			
		SS97720BAYC	6 - 10	80 / 100	1 x 25						
		SS97720BAVE	6 - 10	80 / 100	1 x 36	-	Yes				
		SS96988BATC	4 - 6.5	80 / 100	1 x 25						
		SS96988BAYC	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	-	5350			
		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	5100
		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	-	5770			
		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 Controllers

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

Type	Maximum Submersible Pump Rating at 10, 230V, 50Hz	Cat. No.	Relay Range (A)	Start Capacitor 275V, 50Hz	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	5560
		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			
		SS96989BD AJ	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	-	6070
		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			
		SS97723BD DJ	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			
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				
SS96990BD DJ		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	-	6700	
	CS95468BEBH	16 - 26	200 / 250	2 x 50	-	-	-	
	SS97725BEDH	13 - 22	200 / 250	2 x 50	-	Yes	6360	
CS95461BEBH	16 - 26	200 / 250	2 x 50	-	-	-		
MR-G3	5 HP	CS90490BEEJ	20 - 32	200 / 250	3 x 50	Yes	-	9500

# MR-G2W Single Phase Submersible Controllers (With WLC)

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

Maximum Submersible Pump Rating at 1Ø, 230V, 50Hz	Cat. No.	Relay Range (A)	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	M.R.P ₹ Per Unit
0.5HP	CS91040BATC	4 - 6.5	80 / 100	1 x 25	10990
	CS91040BAVE	6 - 10	80 / 100	1 x 36	
1HP	CS91041BBVE	6 - 10	100 / 120	1 x 36	11450
	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	
	CS91041BCAG	9 - 14	120 / 150	1 x 50	
1.5HP	CS91042BCAG	9 - 14	120 / 150	1 x 50	11990
	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	
	CS91042BDCF	11 - 18	150 / 200	2 x 36	
2HP	CS91043BECF	11 - 18	200 / 250	2 x 36	12300
	CS91043BDDF	13 - 22	150 / 200	2 x 36	
	CS91043BEDF	13 - 22	200 / 250	2 x 36	
	CS91043BEDG	13 - 22	200 / 250	1 x 50	
3HP	CS91044BEDH	13 - 22	200 / 250	2 x 36	12740

## 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	1460
Water Level Controller (415V)(Double Tank application)	XM810530000	1	1460
Water Level Controller (240V) (Single Tank application)	XM810550000	1	1390
Water Level Controller (415V) (Single Tank application)	XM810560000	1	1390
WLC probes (set of 3 nos.)	XM810510000	1	490
WLC probes (set of 6 nos.)	XM810760000	1	980

# Spares for MR-G Submersible Pump Controllers



MR-G Plug ON



MR-G Plug OFF



MR 11W Aux. Contact Block



MR G Spare ADD ON 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	330
MR 11W, Spare Coil, 240V, 50Hz	CS94102B000	10	735
MR-G2 Plug ON & OFF (Bulk of 10 ON & 10 OFF Plugs)	CS916960000	1	295
SPARE-ADD ON BLOCK, MR-G2	CS954360000	1	235



MU-2P Contactor



MR 11W Contactor

## Contactor Type MU-2P [HSN Code 8536]

Component	AC3 Rating	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MU-2P Contactor	15A	MU16-2P (160-220V)	CS90117N000	10	1050
	25A	MU25-2P (160-220V)	CS90118N000	10	1280
	40A	MU40-2P (160-220V)	CS90119N000	10	1630

## 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	1320



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 - 1.5A	CS9020700MO	1	760
	1.5 - 2.5A	CS9020700PO	1	760
	2.5 - 4A	CS9020700RO	1	760
	4 - 6.5A	CS9020700TO	1	760
	6 - 10A	CS9020700VO	1	760
	9 - 14A	CS9020700AO	1	760
	11 - 18A	CS9020700CO	1	850
	13 - 22A	CS9020700DO	1	850
	16 - 26A	CS9020700BO	1	850
	20 - 32A	CS9020700EO	1	1060

## MU-2P Spares [HSN Code 8538]



MU-2P Coil



MU-2P Top Add-On

Component	Type	Cat. No.	Std.Pkg. (Nos.)	M.R.P ₹ Per Unit
MU-2P Spare Contact Kit	MU16-2P	CS902170000	1	320
	MU25-2P	CS902180000	1	420
	MU40-2P	CS902190000	1	605
MU-2P Spare Coil & Top Add-on	MU-2P Coil (220V)	CS90793N000	1	405
	MU-2P Coil (300V)	CS90793R000	1	405
	MU-2P Top Add-on (1 NO)	CS906950000	1	225

## 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	1130
Wiring Harness, MU-G10 (Flexible Type)	CS961300000	1	1610
Wiring Harness, MU-G10H (Flexible Type)	CS961340000	1	2090
Wiring Harness, MU-G15 (Flexible Type)	CS905670000	1	2380
Wiring Harness, MU-G20 (SDz5 SPPR) (Flexible Type)	CS961290000	1	3550
Wiring Harness, MU-G20H (SDz5 SPPR) (Flexible Type)	CS961350000	1	3780
Wiring Harness, MU-G30 (Flexible Type)	CS961280000	1	4640
Wiring Harness, MU-G50 (Flexible Type)	CS961270000	1	6600
Wiring Harness, MU-G75 (Flexible Type)	CS901710000	1	9490
Wiring Harness 2.5 sq. mm, MR-G2 (Flexible Type; For upto 11 - 18A Relay)	CS961330000	1	1310



# MR-Gi Digital Single Phase Controllers - Manual & Auto

Manual version

**FEATURES**

Auto version



Microcontroller Based Solution  
 Dry Run Protection  
 UV/OV Protection  
 Current, Voltage Metering  
 Start & Run Capacitor  
 Bypass Feature  
 OFF Timer  
 Digital Display  
 Capacitor cut-off  
 Automatic Current Setting

All features of Manual Version  
 In-built 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  
 Time Compensation



## MR-Gi (Manual) [HSN Code 8536]

Type	Maximum Submersible Pump Rating at 10, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	M.R.P ₹ Per Unit
MR-Gi (Manual)	0.5 HP	CS91321NAOC	80 / 100	1 x 25	4350
		CS91321NAOE	80 / 100	1 x 36	
	1 HP	CS91322NBOE	100 / 120	1 x 36	4570
		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	4790
		CS91323NCOF	120 / 150	2 x 36	
		CS91323NCOJ	120 / 150	1 x 72	
		CS91323NDOG	150 / 200	1 x 50	
		CS91323NDOF	150 / 200	2 x 36	
		CS91324NDOF	150 / 200	2 x 36	
	2 HP	CS91324NDOH	150 / 200	2 x 50	4990
		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	5200

## MR-GiB (Auto) [HSN Code 8536]

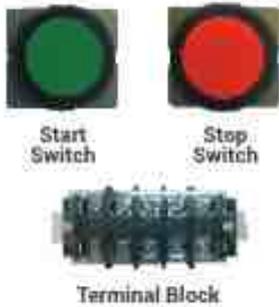
Type	Maximum Submersible Pump Rating at 10, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	M.R.P ₹ Per Unit
MR-GiB (Auto)	0.5 HP	CS91718NAOC	80 / 100	1 x 25	5460
		CS91718NAOE	80 / 100	1 x 36	
	1 HP	CS91719NBOE	100 / 120	1 x 36	5670
		CS91719NBOG	100 / 120	1 x 50	
		CS91719NCOE	120 / 150	1 x 36	
		CS91719NCOG	120 / 150	1 x 50	
		CS91720NCOG	120 / 150	1 x 50	
	1.5 HP	CS91720NCOF	120 / 150	2 x 36	5870
		CS91720NCOJ	120 / 150	1 x 72	
		CS91720NDOG	150 / 200	1 x 50	
		CS91720NDOF	150 / 200	2 x 36	
		CS91721NDOF	150 / 200	2 x 36	
	2 HP	CS91721NDOH	150 / 200	2 x 50	6090
		CS91721NDOJ	150 / 200	1 x 72	
		CS91721NEOF	200 / 250	2 x 36	
		CS91721NEOG	200 / 250	1 x 50	
		CS91721NEOJ	200 / 250	1 x 72	
	3 HP	CS91722NEOH	200 / 250	2 x 50	6300



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

Type	Maximum Submersible Pump Rating at 10, 230V, 50Hz	Cat. No.	Start Capacitor 275V, 50Hz	Run Capacitor 440V, 50Hz MFD	M.R.P ₹ Per Unit
MR-GiA (Auto with WLC)	0.5 HP	CS91331NAOC	80 / 100	1 x 25	6030
		CS91331NAOE	80 / 100	1 x 36	
	1 HP	CS91332NBDE	100 / 120	1 x 36	6240
		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	6440
		CS91333NCOF	120 / 150	2 x 36	
		CS91333NCOJ	120 / 150	1 x 72	
		CS91333NDOG	150 / 200	1 x 50	
		CS91333NDOF	150 / 200	2 x 36	
	2 HP	CS91334NDOF	150 / 200	2 x 36	6640
		CS91334NDOH	150 / 200	2 x 50	
		CS91334NDQJ	150 / 200	1 x 72	
		CS91334NEOF	200 / 250	2 x 36	
CS91334NEOG		200 / 250	1 x 50		
CS91334NEOJ		200 / 250	1 x 72		
3 HP	CS91335NEOH	200 / 250	2 x 50	6860	

## Digital Single Phase Controller Spares [HSN Code 8538]



Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
Spare start switch (Manual Version)	CS913630000	1	270
Spare stop switch (Manual Version)	CS913640000	1	210
Mounting kit accessory	CS913650000	1	160
Spare 5 way terminal block	CS913660000	1	200
Spare 2 way terminal block	CS913670000	1	140
Spare Digital Module Manual	CS920250000	1	3800
Spare Digital Module Auto	CS920260000	1	4700



MR-GiA WLC Spare

## Digital Single Phase Controller Spares [HSN Code 9032]

Description	Cat. No.	Std. Pkg. (Nos.)	M.R.P ₹ Per Unit
Spare WLC Module	CS913680000	1	1300

# DY125U MCCB

## For Your Pump Applications



### Features

- › 25A to 100A, 3P, 415 V AC
- › Breaking Capacity:  
Icu-10kA (Ics = 100% Icu)
- › Thermal Magnetic Release
- › No Load-Line Bias
- › ON-TRIP-OFF Indication
- › Suitable for Isolation
- › CE Marking
- › Conforms to IS/IEC 60947-2,  
IEC 60947-2 & EN 60947-2



#### AGRI CUSTOMER CARE

Tel: +91-22-69327800  
E-mail: [cic@LK-EA.com](mailto:cic@LK-EA.com)



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[smartshop.lk-ea.com](http://smartshop.lk-ea.com)

# M-POWER Pro Module For Mobile Starters

## M-POWER Pro

### 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 **SMART CONTROL** 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



SP-AM-POWER

### 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	CS91313M000	CS91313L000	CS913130000	1	8300
South	English, Hindi, Kannada, Telugu, Tamil		CS91313M050	CS91313L050	CS913130050	1	8300
East	English, Hindi, Odia, Assamese, Bengali		CS91313M0E0	CS91313L0E0	CS9131300E0	1	8300

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++ & M-POWER+ Module For Mobile Starters

## M-POWER++

### Features

- M-POWER++ is compatible with LTE 4G / VoLTE. It also supports 2G network
- Enables remote operation (Pump ON / OFF) through any GSM networks
- It can be operated through Missed Call / IVRS / SMS. Regional languages are available for SMS / IVRS
- All events communicated to User by SMS & total pump run time can be checked
- Wide range of selection for operating modes like Auto / Manual / Timer (duration based) / 4 Daily Timers (RTC based)
- Compatible with 1 phase and 3 phase Starters & Controllers (DOL, SASD & FASD)



### 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	CS9214500NO	1	6200
	English, Hindi, Kannada, Telugu, Tamil	South	CS9214500SO	1	6200
	English, Hindi, Bengali, Odiya, Assamese	East	CS9214500EO	1	6200

## M-POWER+

### 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	GSM030100NO	1	5290
	English, Hindi, Kannada, Telugu, Tamil	South	GSM030100SO	1	5290
	English, Hindi, Bengali, Odiya, Assamese	East	GSM030100EO	1	5290



### M-POWER+ & M-POWER++ Accessories

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
Wire Type Antenna [853R]	GSM0301A000	1	530
Controller-side Wire Harness [854A]	GSM0301C000	1	200
Module-side Wire Harness [854B]	GSM0301G000	1	290



Controller-side Wire Harness & Module-side Wire Harness Wire Type Antenna

# Auto WLC

WLC monitors the water level in the tanks and controls the actuation of the motor/pump. The WLC can be used for applications like filling & draining the tank, filling only one tank with dual levels monitoring, draining only one tank with dual level monitoring.

This Auto WLC comes with three variants:

- › **SzLC** - Used for Single Phase Monoblock & Self Priming Pump (Upto 3HP)
- › **SzLC1** - Used for Single Phase Submersible Pump (Upto 3HP)
- › **SzLC3** - Used for Three Phase Submersible :

## Features

- › Two level detection of water in a tank
- › One/Two tank monitoring for draining or filling or draining and filling the water
- › High load switching capacity of output up to 30A. (For SzLC & SzLC1)
- › Separate LED indication for water level, power, and relay status
- › Settable Power ON Delay and OFF timer
- › Multiple operating modes like AUTO/ ON/ OFF (For SzLC) and AUTO/ MANUAL/ BYPASS (For SzLC1 & SzLC3)
- › Protections against dry run and over filling, means trip against tank emptying and over filling through probe sensing only



## Auto WLC [HSN Code 9032]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
Auto WLC, SzLC : For Single Phase Double Tank	XM810600000	1	2020
Auto WLC, SzLC1 : For Single Phase (STARTER+CAP) Double Tank	XM810620000	1	2520
Auto WLC, SzLC : For Single Phase Single Tank	XM810660000	1	1950
Auto WLC, SzLC1 : For Single Phase (STARTER+CAP) Single Tank	XM810670000	1	2440
Auto WLC, SzLC3 : For Three Phase Double Tank	XM810650000	1	3310
Auto WLC, SzLC3 : For Three Phase Single Tank	XM810680000	1	3230



# SASDz5 & Sz1A Auto Switch

## SASDz5

SASDz5 Auto Switch SPPR is specially designed for the SASD starters. With the help of SASDz5, a Semi-Automatic (SASD) Starter can be converted into Fully Automatic (FASD) Starters. This SASDz5 is compatible with both two-button SASD starters (Start and Stop button) and three-button SASD starter (Start, Run and Stop button).

### Features

- › Auto / Manual / OFF Mode (Bypass)
- › Phase loss, phase reversal, voltage unbalance, over voltage protection
- › ON delay timer and Star-Delta timer
- › LED indications for all voltage faults
- › Compatible with all types of Semi-Automatic Star-Delta (SASD) starters
- › Easy connection



### SASDz5 [HSN Code 9032]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
SASDz5, AUTO SWITCH SPPR FOR 2 BUTTON SASD STARTER	XM818100000	1	1640
SASDz5, AUTO SWITCH SPPR FOR 3 BUTTON SASD STARTER	XM818110000	1	1640

NEW

## Sz1A

Sz1A Auto Switch SPPR is designed for single phase submersible pump application up to 3HP as well as Monoblock pump application. It enables automatic operation of single phase pump/motor.

### Features

- › In-built ON Delay Timer, Range: 30 sec to 5 minute Settable
- › Auto/Manual mode of operation
- › Multiple LED indicators for ease of monitoring



### Sz1A [HSN Code 9032]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
Sz1A, AUTO SWITCH SPPR FOR SINGLE PHASE STARTER	XM818120000	1	1550

# i-PROTECTOR

Now with dedicated & separate buttons for Dry Run threshold & Dry Run reset delay

## 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			3-Phase Controller			3-Phase SASD / FASD Starters:			3-Phase Controller (FASD)			
	MK1 / MK2	MU1 / MU2 / MU3	MB1 / MB2	MU-G6	MU-G7.5	MU-G10 / MU-G10H / MU-G10HN	MK1	MU1 / MU2	MB1 / MB2	MU-G15	MU-G17.5	MU-G20 / MU-G20H / MU-G20HN	
i-ADSM	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	
i-VDSM	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	

- Note: MU-G Controller is provided with Sz5 / SDz5. In case of upgradation, use i-ADSM, i-VDSM in place of SPPR
- ✓ Note: i-PROTECTOR is compatible with the mentioned starter

## i-PROTECTOR [HSN Code 8536]

Product Designation	Product Details	360 V	415 V	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
i-ADSM	Single phasing preventer & dry run protection relay + VI meter (current based)	CS90863C000	CS90863D000	1	3700
i-VDSM	Single phasing preventer & dry run protection relay + VI meter (voltage based)	CS90875C000	CS90875D000	1	3700

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

## WIRE HARNESS FOR i-PROTECTOR [HSN Code 8544]

Description	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
Wire Harness, i-ADSM, i-VDSM	CS916350000	1	400



# MCB with K-Curve Exclusively for Agricultural Pumps

## Features

- Range available from 10A to 125A - 3 Pole and 10A to 32A - 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



## 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-G10	4-6.5	10
	06-10	10		06-10	10
	09-14	16		09-14	16
	10-18	20		4-6.5	10
	13-22	25		06-10	10
MR-G3	16-26	32	MU-G10H	09-14	16
	20-32	32		13-21	25
				20-32	32
				28-42	50
				09-14	40
			13-21	50	
			20-32	100	
			28-42	125	

## 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	LK20100K	10	2	6	900
	LK20160K	16	2	6	900
	LK20200K	20	2	6	900
	LK20250K	25	2	6	900
	LK20320K	32	2	6	900



MCB Pole	Cat. No.	MCB Rating (A)	Module 1Mod=17.5mm	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
3 - Pole	LK30100K	10	3	4	1440
	LK30150K	16	3	4	1440
	LK30200K	20	3	4	1440
	LK30250K	25	3	4	1440
	LK30320K	32	3	4	1440
	LK30400K	40	3	4	2220
	LK30500K	50	3	4	2220
	LK30630K	63	3	4	2220
	LK31000K	100	4.5	1	9270
	LK31250K	125	4.5	1	10300

# DY125U MCCB

## For your Pump Applications

### Features

- › Conforms to IS / IEC 60947-2, IEC 60947-2 & EN 60947-2
- › Range: 25A to 100A, 3P, 415V AC
- › Breaking capacity Icu -10kA (Ics=100% Icu)
- › High Electrical & Mechanical life
- › Thermal Magnetic Release
- › No Load-Line Bias
- › ON-TRIP-OFF indication
- › Suitable for Isolation
- › Rated insulation voltage (Ui) - 800VAC
- › Rated impulse withstand voltage (Uimp)-8kV
- › CE Marking



### MCCB Cat Nos. & Ratings [HSN Code 8536]

Type	Poles	Current Rating (A)	Breaking Capacity Icu (kA)	Cat. No.	Description	M.R.P. ₹ Per Unit
DY125U	3P	25	AC: 10kA@ 415V AC, 50 Hz/60 Hz DC - 10kA@ 250V DC (3P in series)	EM90983000D	MCCB DY125U 25A 3P 10kA FTFM	2450
		32		EM90983000E	MCCB DY125U 32A 3P 10kA FTFM	2450
		40		EM90983000F	MCCB DY125U 40A 3P 10kA FTFM	2450
		50		EM90983000G	MCCB DY125U 50A 3P 10kA FTFM	2450
		63		EM90983000H	MCCB DY125U 63A 3P 10kA FTFM	2380
		80		EM90813000J	MCCB DY125U 80A 3P 10kA FTFM	2380
		100		EM90813000K	MCCB DY125U 100A 3P 10kA FTFM W/O SPRD	2380



# 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	235
2 kVAr	440V	LTBCA302B2	1	455
3 kVAr	440V	LTBCA303B2	1	685
4 kVAr	440V	LTBCA304B2	1	915
5 kVAr	440V	LTBCA305B2	1	1145
6 kVAr	440V	LTBCA306B2	1	1375
7.5 kVAr	440V	LTBCA307B2	1	1720
8.33 kVAr	440V	LTBCA308B2	1	1910
10 kVAr	440V	LTBCA310B2	1	2295
12.5 kVAr	440V	LTBCA312B2	1	2865
15 kVAr	440V	LTBCA315B2	1	3435
20 kVAr	440V	LTBCA320B2	1	4580
25 kVAr	440V	LTBCA325B2	1	5720
30 kVAr	440V	LTBCA330B2	1	6855

## Cylindrical Capacitors [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
1 kVAr	440V	LTCCA301B2	1	195
2 kVAr	440V	LTCCA302B2	1	380
3 kVAr	440V	LTCCA303B2	1	570
4 kVAr	440V	LTCCA304B2	1	765
5 kVAr	440V	LTCCA305B2	1	955
6 kVAr	440V	LTCCA306B2	1	1145
7.5 kVAr	440V	LTCCA307B2	1	1435
8.33 kVAr	440V	LTCCA308B2	1	1590
10 kVAr	440V	LTCCA310B2	1	1910
12.5 kVAr	440V	LTCCA312B2	1	2375
15 kVAr	440V	LTCCA315B2	1	2855
20 kVAr	440V	LTCCA320B2	1	3810
25 kVAr	440V	LTCCA325B2	1	4750
30 kVAr	440V	LTCCA330B2	1	5705

## Cylindrical Capacitors with Clamps [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
1 kVAr	440V	LTCCC301B2	1	220
2 kVAr	440V	LTCCC302B2	1	410
3 kVAr	440V	LTCCC303B2	1	600
4 kVAr	440V	LTCCC304B2	1	795
5 kVAr	440V	LTCCC305B2	1	975
6 kVAr	440V	LTCCC306B2	1	1175
7.5 kVAr	440V	LTCCC307B2	1	1465
8.33 kVAr	440V	LTCCC308B2	1	1620
10 kVAr	440V	LTCCC310B2	1	1935
15 kVAr	440V	LTCCC315B2	1	2885
20 kVAr	440V	LTCCC320B2	1	3840
25 kVAr	440V	LTCCC325B2	1	4785
30 kVAr	440V	LTCCC330B2	1	5740

# 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	235
2 kVAr	415V	LTBCA302A2	1	455
3 kVAr	415V	LTBCA303A2	1	685
4 kVAr	415V	LTBCA304A2	1	915
5 kVAr	415V	LTBCA305A2	1	1145
6 kVAr	415V	LTBCA306A2	1	1375
7.5 kVAr	415V	LTBCA307A2	1	1720
8.33 kVAr	415V	LTBCA308A2	1	1910
10 kVAr	415V	LTBCA310A2	1	2295
12.5 kVAr	415V	LTBCA312A2	1	2865
15 kVAr	415V	LTBCA315A2	1	3435
20 kVAr	415V	LTBCA320A2	1	4580
25 kVAr	415V	LTBCA325A2	1	5720
30 kVAr	415V	LTBCA330A2	1	6855



## Cylindrical Capacitors [HSN Code 8532]

Rating	Voltage	Cat. No.	Std.Pkg. (Nos.)	M.R.P. ₹ Per Unit
1 kVAr	415V	LTCCA301A2	1	195
2 kVAr	415V	LTCCA302A2	1	380
3 kVAr	415V	LTCCA303A2	1	570
4 kVAr	415V	LTCCA304A2	1	765
5 kVAr	415V	LTCCA305A2	1	955
6 kVAr	415V	LTCCA306A2	1	1145
7.5 kVAr	415V	LTCCA307A2	1	1435
8.33 kVAr	415V	LTCCA308A2	1	1590
10 kVAr	415V	LTCCA310A2	1	1910
12.5 kVAr	415V	LTCCA312A2	1	2375
15 kVAr	415V	LTCCA315A2	1	2855
20 kVAr	415V	LTCCA320A2	1	3810
25 kVAr	415V	LTCCA325A2	1	4750
30 kVAr	415V	LTCCA330A2	1	5705



# 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)				
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	63
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

## 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	440V	LTCCMRW010B2	21	80
	12.5	440V	LTCCMRW125B2	21	95
	15	440V	LTCCMRW015B2	21	120
	20	440V	LTCCMRW020B2	21	140
	25	440V	LTCCMRW025B2	12	150
	30	440V	LTCCMRW030B2	12	160
	36	440V	LTCCMRW036B2	12	170
	40	440V	LTCCMRW040B2	12	215
	45	440V	LTCCMRW045B2	12	240
	50	440V	LTCCMRW050B2	12	250
Start	72	440V	LTCCMRW072B2	12	325
	80 - 100	275V	LTCCMSW100P2	12	240
	100 - 120	275V	LTCCMSW120P2	12	280
	120 - 150	275V	LTCCMSW150P2	12	330
	150 - 200	275V	LTCCMSW200P2	12	375
	200 - 250	275V	LTCCMSW250P2	12	420

## 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	440V	LTCCMR025B2	12	175
	36	440V	LTCCMR036B2	12	195
	50	440V	LTCCMR050B2	12	305
Start	80 - 100	275V	LTCCMS100P2	12	280
	100 - 120	275V	LTCCMS120P2	12	335
	120 - 150	275V	LTCCMS150P2	12	385
	150 - 200	275V	LTCCMS200P2	12	445
	200 - 250	275V	LTCCMS250P2	12	495



# 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 [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 Unit
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*	
10	80 / 0.4	42	WS00100PECM*	
16	126 / 0.4	57	WS00160PECM*	

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.

## Warranty Policy

All products listed in the price list are covered by a warranty against manufacturing defects for a period of 18<sup>+</sup> months from the date of purchase. For Lauritz Knudsen MCBs & Isolators mounted inside Lauritz Knudsen Distribution Boards, an extended warranty of 5 years is provided.

In the event of a defect due to faulty workmanship or other associated reasons, we will, at our discretion, remedy the defect or replace the faulty parts or the entire product as soon as possible, free of cost.

However, the warranty is subject to proper usage, efficient maintenance, and does not cover defects arising from fire, accidents, inefficient maintenance, faulty operation, or deliberate or accidental damage. It also does not cover damage to power electronic components such as thyristors & IGBTs, which primarily fail due to overtemperature & over-voltage. Users need to take adequate precautions to eliminate these conditions. Manufacturer shall not be responsible & liable for any special, incidental, social or consequential (including lost profits) loss, consequential damages, injury or damages (punitive) of any kind solely attributable to defect or failure of its products. Manufacturer shall not be liable in any manner for the issue of or failure in the performance of other equipment the product is attached to.

Note: We are committed to maintaining our product warranty in line with our standard terms for both the Lauritz Knudsen Brand and the L&T Switchgear brand. The change in brand will not alter our standard warranty terms or any applicable extended warranty terms.

Furthermore, we will ensure that spares and after-sales support remain available throughout the entire product life cycle, regardless of whether the products are under the L&T Switchgear brand or the Lauritz Knudsen Brand.

## Comprehensive Service Support

Lauritz Knudsen Electrical & Automation has over seven decades of experience in providing after sales service for low voltage distribution system in every type of industry & commercial complex in India.

Lauritz Knudsen Electrical & Automation 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-

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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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