



RAJA⁺ Agriculture Starters & Controllers

Price List w.e.f 1st November, 2021



SIEMENS



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| Range

FASD
Starter
10-75 HP

FASD Controller
with WLC
15-30 HP

DOL Controller
with WLC
3-10 HP



DOL Controller
3-10 HP

ADOL
7.5-17.5 HP

ASD
10-25 HP

DOL
0.33-10 HP

Overview



Tried, Tested and Trusted Start with Siemens Agriculture Starters.

For more than 125 years, Siemens has been developing and manufacturing world-class, control products. Now Siemens offers a wide range of starters to cater to diversified demands from Agriculture Sector. These products are specially designed to provide smart, easy and reliable motor starting solution. They employ tried and tested Siemens contactors and relay, complying to the latest national and international standards. This ensures the right start for motors requiring direct online starting or star delta starting.



Monitoring and Protection
Protects motor and pumps from various faults



Operator Safety
Ensures safety of operator



World Class Quality Standard
Meets stringent IEC, IS Standards for reliability and Performance



Uniform Design Platform
Ease of maintaining inventory and spares



Wide Band Coils
Reliable operation even during supply fluctuation



Submersible Pump Ratings
Easy to select starters for all types of agriculture applications

Direct-On-Line Starters



Type numbers: 3TW729

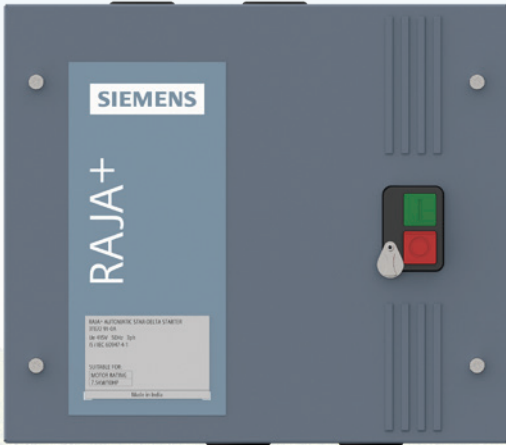
- Motor Rating at 415V 3ph 50Hz: 0.33 – 10 HP | 0.25 – 7.5 kW
- Contactors | OLRs: 3TS contactors | 3US/3UW overload Relay
- Coil Voltage: 200 - 400V | 352 - 456 V AC, 50Hz
- Standard marking: ISI/IEC 60947-4-1
- IP42



Motor Rating At 415V 3ph 50Hz		Starter Type	Contactors	Thermal Overload Relay	Relay range (A)	Max. Full Load Current (Amp)		MRP
HP	kW					3Ph, 415V 4P Squirrel Cage IS 8789:1996 Table 4	3Ph, 415V 2P Submersible motor IS 9283:1995 Table 2	
0.33	0.25	3TW7291-1A*64	3TS3010-0A##-08KA0	3UW5102-0J	0.63-1	-	-	2725.-
0.75	0.55	3TW7291-1A*66	3TS3010-0A##-08KA0	3UW5102-1A	1-1.6	1.7	-	
1	0.75	3TW7291-1A*68	3TS3010-0A##-08KA0	3UW5102-1C	1.6-2.5	2.2	-	
1.5	1.1	3TW7291-1A*69	3TS3010-0A##-08KA0	3UW5102-1D	2-3.2	2.9	3.25	
2	1.5	3TW7291-1A*71	3TS3010-0A##-08KA0	3UW5102-1F	3.2-5	3.8	4.5	
3	2.2	3TW7291-1A*72	3TS3010-0A##-08KA0	3UW5102-1G	4-6.3	5.1	6.5	
5	3.7	3TW7291-1A*74	3TS3010-0A##-08KA0	3UW5102-1J	6.3-10	8.1	10	
7.5	5.5	3TW7291-1A*75	3TS3210-0A##-08KA0	3UW5102-1K	8-12.5	11.4	14.5	2965.-
7.5	5.5	3TW7291-1A*77	3TS3210-0A##-08KA0	3UW5102-2A	10-16	-	-	
10	7.5	3TW7291-1A*78	3TS3210-0A##-08KA0	3UW5102-2B	12.5-20	15.4	19.5	

* Enter code for coil voltage, 50Hz (B for 200-400V AC, W for 332 - 456V AC)
 ## Enter Code for operating coil voltage, 50 Hz (Z6 for 200-400V, R0 for 415V)
 Extra MRP of 160 INR for RAJA+ DOL starters 3TW72931A... (0.33-5HP) with 18A contactor

Automatic Star-Delta Starters



Type numbers: 3TE729

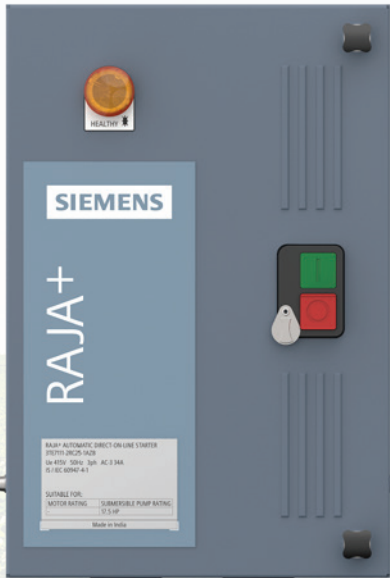
- Motor Rating at 415V 3ph 50Hz: 10 – 25 HP | 7.5 – 18.5 kW
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 352 - 456 V AC, 50Hz
- Standard marking: ISI/IEC 60947-4-1
- IP42

**NEW
DESIGN**

Motor Rating At 415V 3ph 50Hz		Starter Type	Line Contactor	Delta Contactors	Star Contactors	Thermal Overload Relay	Relay range (A)	I(f) 4 Pole Squirrel cage motor		MRP
HP	kW							Line current (A)	Phase current (A)	
10	7.5	3TE72910AW74	3TS3210-0A##-08K	3TS3201-0A##-08K	3TS3210-0A##-08K	3UW5102-1J	6.3-10	16	9.2	11925.-
12.5	9.3	3TE72910A*75	3TS3210-0A##-08K	3TS3201-0A##-08K	3TS3210-0A##-08K	3UW5102-1K	8-12.5	19.5	11.2	12510.-
15	11	3TE72910A*77	3TS3210-0A##-08K	3TS3201-0A##-08K	3TS3210-0A##-08K	3UW5102-2A	10-16	23	13.2	12840.-
20	15	3TE72910A*78	3TS3300-0A##-08K	3TS3300-0A##-08K	3TS3210-0A##-08K	3UW5202-2B	12.5-20	32	18.4	14505.-
25	18.5	3TE72910A*79	3TS3300-0A##-08K	3TS3300-0A##-08K	3TS3210-0A##-08K	3UW5202-2C	16-25	38.5	22.2	16645.-

*Enter code for coil voltage, 50Hz (B for 200-400V AC, W for 332 - 456V AC)
Enter Code for operating coil voltage 50 Hz (Z6 for 200-400V, R0 for 415V)

Automatic Direct-On-Line Starters



Type numbers: 3TE7111

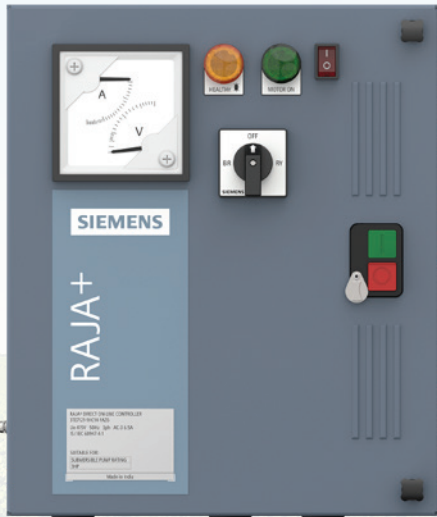
- Motor Rating at 415V 3ph 50Hz: 7.5– 17.5 HP | 5.5 – 13 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US /3UW overload Relay
- Coil Voltage: 200 - 400V | 260 - 457 V AC, 50Hz
- IP42
- LED Indication: Indicating the incoming power supply availability & healthiness.
- Special Line Monitoring Relay for Agriculture Starters provide protection against Phase Loss, Phase Reversal, Phase Unbalance, Under voltage and Over Voltage. It can be set in 3 different modes (Manual, Auto & Bypass) to suit the farmer's requirement.

NEW

Motor Rating At 415V 3ph 50Hz HP/kw		Starter Type	Contactor	Thermal Overload relay	Range (A)	Max. Full Load Current (Amp) for Motor		MRP
3 Phase	Submersible Pump					3 Phase	Submersible Pump	
7.5 / 5.5	7.5 / 5.5	3TE7111-2SC18-1A**	3TS3210-0A**-08K	3UW5102-2A	10-16	11.4	14.50	6555.-
10 / 7.5	-	3TE7111-2BC21-1A**	3TS3311-0A**-08K	3UW5102-2B	12.5-20	14.50	-	6665.-
12.5 / 9.3	10 / 7.5	3TE7111-2CC21-1A**	3TS3311-0A**-08K	3UW5202-2C	16-25	19.50	19.50	6965.-
-	12.5 / 9.3	3TE7111-2DC23-1AZ8	3TS3511-0AZ8-08K	3US5600-2D8K	20-32	-	25.00	7170.-
15 / 11	-	3TE7111-2CC24-1A**	3TS3411-0A**-08K	3UW5202-2C	16-25	23.00	-	8155.-
-	15 / 11	3TE7111-2QC24-1AZ8	3TS3511-0AZ8-08K	3US5600-2Q8K	25-36	-	29.00	8535.-
-	17.5 / 13	3TE7111-2RC25-1AZ8	3TS3611-0AZ8-08K	3US5600-2R8K	32-40	-	34.00	8745.-

**Enter code for coil voltage Z8 is 260 - 460V AC; Z6 is 200 - 400V AC

Direct-On-Line Controller



Type numbers: 3TE7121

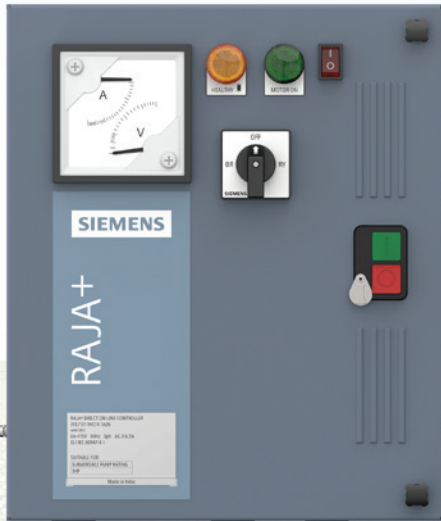
- Motor Rating at 415V 3ph 50Hz: 3 – 10 HP | 2.2 – 7.5 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 260 - 457 V AC,50Hz
- IP43
- LED Indication: Amber LED Indicating the incoming power supply availability & healthiness.
- Green LED Motor on indication
- AV meter for current, voltage indication
- Special Line Monitoring Relay for Agriculture Starters provide protection against Phase Loss, Phase Reversal, Phase Unbalance, Under voltage and Over Voltage. It can be set in 3 different modes (Manual, Auto & Bypass) to suit the farmer's requirement.

NEW

Motor / Submersible Pump Rating At 415V 3ph 50Hz HP/kW	Starter Type	Contactor	Thermal Overload relay	Range (A)	Max. Full Load Current (Amp) for Motor / Submersible Pump	MRP
3 / 2.2	3TE7121-1HC14-1A**	3TS3010-0A**-08K	3US5000-1H8K	5 - 8	6.5	9000.-
5 / 3.7	3TE7121-1KC16-1A**	3TS3110-0A**-08K	3UW5102-1K	8-12.5	10	9000.-
6 / 4.5	3TE7121-2AC17-1A**	3TS3210-0A**-08K	3UW5102-2A	10 - 16	12	9000.-
7.5 / 5.5	3TE7121-2BC18-1A**	3TS3210-0A**-08K	3UW5102-2B	12.5-20	14.5	10600.-
10 / 7.5	3TE7121-2CC21-1A**	3TS3311-0A**-08K	3UW5202-2C	16-25	19.5	11920.-

**Enter code for coil voltage Z8 is 260 - 460V AC; Z6 is 200 - 400V AC

Direct-On-Line Controller with WLC



Type numbers: 3TE7131

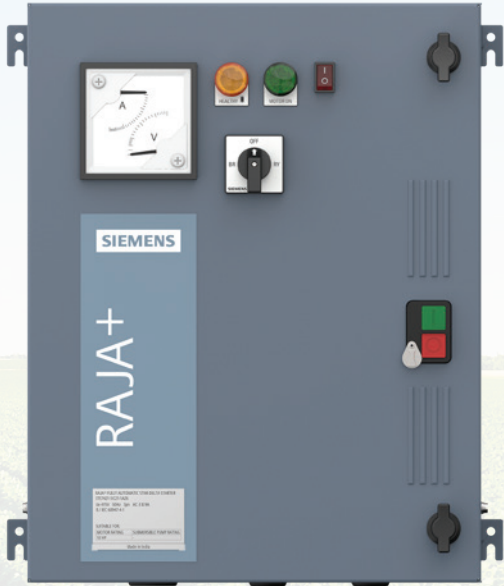
- Motor Rating at 415V 3ph 50Hz: 3 – 10 HP | 2.2 – 7.5 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 260 - 457 V AC,50Hz
- IP43
- LED Indication: Amber LED Indicating the incoming power supply availability & healthiness.
- Green LED Motor on indication
- AV meter for current, voltage indication
- With Integrated Water level controller
- Special Line Monitoring Relay for Agriculture Starters provide protection against Phase Loss, Phase Reversal, Phase Unbalance, Under voltage and Over Voltage. It can be set in 3 different modes (Manual, Auto & Bypass) to suit the farmer's requirement.

NEW

Motor / Submersible Pump Rating At 415V 3ph 50Hz HP/kW	Starter Type	Contactor	Thermal Overload relay	Range (A)	Max. Full Load Current (Amp) for Motor / Submersible Pump	MRP
3 / 2.2	3TE7131-1HC14-1A**	3TS3010-0A**-08K	3US5000-1H8K	5 - 8	6.5	12355.-
5 / 3.7	3TE7131-1KC16-1A**	3TS3110-0A**-08K	3UW5102-1K	8-12.5	10	12355.-
6 / 4.5	3TE7131-2AC17-1A**	3TS3210-0A**-08K	3UW5102-2A	10 - 16	12	12500.-
7.5 / 5.5	3TE7131-2BC18-1A**	3TS3210-0A**-08K	3UW5102-2B	12.5 - 20	14.5	12610.-
10 / 7.5	3TE7131-2CC21-1A**	3TS3311-0A**-08K	3UW5202-2C	16 - 25	19.5	13670.-

**Enter code for coil voltage Z8 is 260 - 460V AC; Z6 is 200 - 400V AC

Fully Automatic Star Delta Starter



Type numbers: 3TE7421

- Motor Rating at 415V 3ph 50Hz: 10 – 75 HP | 7.5 – 55 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 260 - 457V | 332 – 457V | 304 – 418V AC,50Hz
- IP43
- LED Indication: Amber LED Indicating the incoming power supply availability & healthiness.
- Green LED Motor on indication
- AV meter for current, voltage indication
- Special Line Monitoring Relay for Agriculture Starters provide protection against Phase Loss, Phase Reversal, Phase Unbalance, Under voltage and Over Voltage. It can be set in 3 different modes (Manual, Auto & Bypass) to suit the farmer's requirement.

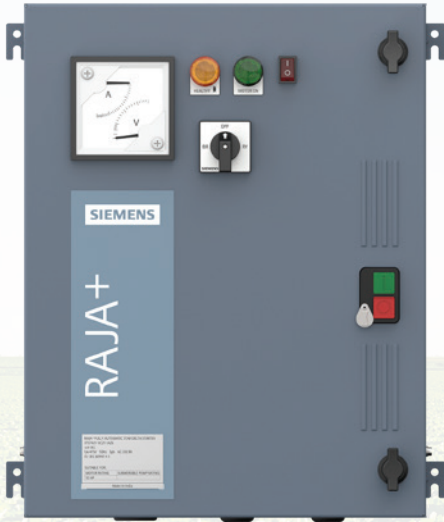
NEW

Motor Rating At 415V 3ph 50Hz HP/kW		Type	Line/Delta Contactor	Star Contactor	Thermal Overload Relay	Relay range (A)	IL/Iph AC-3 [A]		MRP
3 Phase	Submersible Pump						3 Phase	Submersible Pump	
10 / 7.5	-	3TE7421-1JC21-1A##	3TS3110-0A##-08K	3TS3010-0A##-08K	3UW5102-1J	6.3-10	15.4/8.9	-	16845.-
-	10 / 7.5	3TE7421-1KC21-1A##	3TS3210-0A##-08K	3TS3010-0A##-08K	3UW5102-1K	8-12.5	-	19.5/11.2	16845.-
15 / 11	-	3TE7421-2AC24-1A##	3TS3300-0A##-08K	3TS3110-0A##-08K	3UW5202-2A	10-16	23/13.3	-	16845.-
17.5 / 13	15 / 11	3TE7421-2BC24-1A##	3TS3300-0A##-08K	3TS3110-0A##-08K	3UW5202-2B	12.5-20	26/15	29/16.7	17185.-
20 / 15	-	3TE7421-2BC26-1A##	3TS3300-0A##-08K	3TS3110-0A##-08K	3UW5202-2B	12.5-20	32/18.5	-	20075.-
25 / 18.5	-	3TE7421-2CC27-1AZ8	3TS3500-0AZ8-08K	3TS3210-0AZ8-08K	3US5600-2C8K	16-25	36/20.8	-	20120.-
30 / 22	20 / 15	3TE7421-2DC26-1AZ8	3TS3500-0AZ8-08K	3TS3300-0AZ8-08K	3US5600-2D8K	20-32	45/26	39/22.5	38730.-
40 / 30	30 / 22	3TE7421-2RC28-1AZ8	3TS3500-0AZ8-08K	3TS3400-0AZ8-08K	3US5600-2R8K	32-40	59/34.1	57/32.9	47470.-
50 / 37	-	3TE7421-8MC33-1A\$\$	3TS4722-0A\$\$-08K	3TS3500-0A\$\$-08K	3US5600-8M8K	36 - 45	71/41	-	48445.-
-	40 / 30	3TE7421-2TC31-1A\$\$	3TS4722-0A\$\$-08K	3TS3500-0A\$\$-08K	3US5800-2T8K	40 - 57	-	76/43.9	61675.-
-	50 / 37	3TE7421-2TC33-1A\$\$	3TS4722-0A\$\$-08K	3TS3600-0A\$\$-08K	3US5800-2T8K	40 - 57	-	85/49.1	63580.-
75 / 55	-	3TE7421-2PC35-1A\$\$	3TS4822-0A\$\$-08K	3TS4722-0A\$\$-08K	3US5800-2P8K	50-63	104.4/60.3	-	84750.-
-	75 / 55	3TE7421-5CC35-1A\$\$	3TS5122-0A\$\$-08K	3TS4822-0A\$\$-08K	3US5800-5C8K	85-105	-	158/91.2	89270.-

Enter code for coil voltage Z8 is 260 - 460V AC; Z6 is 200 - 400V AC

\$\$ Enter code for coil voltage R0 is 332-457V AC; Q0 is 304-418V AC

Fully Automatic Star Delta Controller with WLC



Type numbers: 3TE7431

- Motor Rating at 415V 3ph 50Hz: 15 – 30 HP | 11 – 22 kW
- Clearly defined ratings for submersible pump set & for 3-phase Moto
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 260-457V AC,50Hz
- IP43
- LED Indication:
 - Amber LED Indicating the incoming power supply availability & healthiness.
 - Green LED Motor on indication
- Voltage Selector Switch
- With Integrated Water level controller
- Special Line Monitoring Relay for Agriculture Starters provide protection against Phase Loss, Phase Reversal, Phase Unbalance, Under voltage and Over Voltage. It can be set in 3 different modes (Manual, Auto & Bypass) to suit the farmer's requirement.

NEW

Motor / Submersible Pump Rating At 415V 3ph 50Hz HP/ kW	Type	Line/Delta Contactor	Star Contactor	Thermal Overload Relay	Relay range (A)	Max. Full Load Current (Amp) for Motor / Submersible Pump	MRP
15 / 11	3TE7431-2BC24-1A**	3TS3300-0A**-08K	3TS3110-0A**-08K	3UW5202-2B	12.5-20	29/16.7	22285.-
17.5 / 13	3TE7431-2CC25-1AZ8	3TS3500-0AZ8-08K	3TS3300-0AZ8-08K	3US5600-2C8K	16-25	34/19.6	22385.-
20 / 15	3TE7431-2DC26-1AZ8	3TS3500-0AZ8-08K	3TS3300-0AZ8-08K	3US5600-2D8K	20-32	39/22.5	27575.-
25 / 18.5	3TE7431-2DC27-1AZ8	3TS3500-0AZ8-08K	3TS3400-0AZ8-08K	3US5600-2D8K	20-32	48/27.7	35760.-
30 / 22	3TE7431-2RC28-1AZ8	3TS3500-0AZ8-08K	3TS3400-0AZ8-08K	3US5600-2Q8K	25-36	57/32.9	37645.-

**Enter code for coil voltage Z8 is 260 - 460V AC; Z6 is 200 - 400V AC

Spares

#	Description	Order No.	MRP
1	Timer for 260-460V	3RP1576-1NM208K	2620.-
2	Timer for 200-400V	3RP1576-1NP208K	2620.-
3	Contactora	3TS3010-0AZ6-08K	1145.-
4	Contactora	3TS3010-0AZ8-08K	1315.-
5	Contactora	3TS3110-0AZ6-08K	1420.-
6	Contactora	3TS3110-0AZ8-08K	1505.-
7	Contactora	3TS3210-0AZ6-08K	1505.-
8	Contactora	3TS3210-0AZ8-08K	1465.-
9	Contactora	3TS3300-0AZ6-08K	2010.-
10	Contactora	3TS3300-0AZ8-08K	2015.-
11	Contactora	3TS3311-0AZ6-08K	2915.-
12	Contactora	3TS3311-0AZ8-08K	2920.-
13	Contactora	3TS3400-0AZ8-08K	4180.-
14	Contactora	3TS3411-0AZ6-08K	4965.-
15	Contactora	3TS3411-0AZ8-08K	4975.-
16	Contactora	3TS3500-0AQ0-08K	5790.-
17	Contactora	3TS3500-0AR0-08K	5795.-
18	Contactora	3TS3500-0AZ8-08K	6090.-
19	Contactora	3TS3511-0AZ8-08K	6755.-
20	Contactora	3TS3600-0AQ0-08K	7860.-
21	Contactora	3TS3600-0AR0-08K	8035.-
22	Contactora	3TS3611-0AZ8-08K	8850.-
23	Contactora	3TS4722-0AQ0-08K	10935.-
24	Contactora	3TS4722-0AR0-08K	11405.-
25	Contactora	3TS4822-0AQ0-08K	14165.-
26	Contactora	3TS4822-0AR0-08K	14845.-
27	Contactora	3TS5122-0AQ0-08K	25990.-
28	Contactora	3TS5122-0AR0-08K	27520.-
29	Contactora	3TS3201-0AZ6-08K	1505.-
30	Contactora	3TS3210-0AR0-08K	1405.-
31	Contactora	3TS3300-0AR0-08K	1815.-
32	Contactora	3TS3201-0AR0-08K	1405.-
33	Contactora	3TS3210-0AR0-08K	1405.-
34	Contactora	3TS3010-0AZ608KA0	1210.-
35	Contactora	3TS3210-0AZ608KA0	1580.-
36	Contactora	3TS3010-0AR008KA0	1210.-
37	Contactora	3TS3210-0AR008KA0	1580.-

#	Description	Order No.	MRP
38	Coil for 415V (3TS30-34)	3TY7403-0AR0	785.-
39	Coil for 260-460V (3TS30-34)	3TY7403-0AW415	895.-
40	Coil for 200-400V (3TS30-34)	3TY7403-0AZ6	825.-
41	Coil for 380V (3TS35/36)	3TY7443-0AQ0	1255.-
42	Coil for 415V (3TS35/36)	3TY7443-0AR0	965.-
43	Coil for 260-460V (3TS35)	3TY7443-0AW415	1255.-
44	Coil for 380V (3TS47/48)	3TY7463-0AQ0	1960.-
45	Coil for 415V (3TS47/48)	3TY7463-0AR0	1680.-
46	Coil for 380V (3TS51)	3TY7503-0AQ0	3890.-
47	Coil for 415V (3TS51)	3TY7503-0AR0	3125.-
48	Thermal Overload Relay	3US5000-1H8K	1875.-
49	Thermal Overload Relay	3US5600-2C8K	3180.-
50	Thermal Overload Relay	3US5600-2D8K	3405.-
51	Thermal Overload Relay	3US5600-2Q8K	3405.-
52	Thermal Overload Relay	3US5600-2R8K	3560.-
53	Thermal Overload Relay	3US5600-8M8K	3560.-
54	Thermal Overload Relay	3US5800-2P8K	5730.-
55	Thermal Overload Relay	3US5800-2T8K	4580.-
56	Thermal Overload Relay	3US5800-5C8K	6085.-
57	Thermal Overload Relay	3UW5102-1J	1890.-
58	Thermal Overload Relay	3UW5102-1K	1890.-
59	Thermal Overload Relay	3UW5102-2A	1890.-
60	Thermal Overload Relay	3UW5102-2B	1890.-
61	Thermal Overload Relay	3UW5202-2A	2115.-
62	Thermal Overload Relay	3UW5202-2B	2115.-
63	Thermal Overload Relay	3UW5202-2C	2115.-
64	Thermal Overload Relay	3UW5102-0J	1890.-
65	Thermal Overload Relay	3UW5102-1A	1890.-
66	Thermal Overload Relay	3UW5102-1C	1890.-
67	Thermal Overload Relay	3UW5102-1D	1890.-
68	Thermal Overload Relay	3UW5102-1F	1890.-
69	Thermal Overload Relay	3UW5102-1G	1890.-
70	LMRA for 200-400V	7UG0613-0FE20	1175.-
71	LMRA for 260-460V	7UG0613-0FF20	1175.-
72	LMRA for 380V	7UG0613-0FG20	1175.-
73	LMRA for 415V	7UG0613-0FH20	1175.-
74	WLC 415V	7UG0685-0FJ21	1870.-
75	Sensor for WLC_set of 3	7UG0985-0YY00	580.-

Contact sales for prices of LED, Contact blocks, Rocker switch, Selector switch, Dual VA Meter, Current Transformer, ON and OFF pushbutton and Terminal blocks



Terms and conditions

Maximum Retail Price (MRP) / List Price (LP) is subject to revision without prior notice.

The company reserves the right to supply goods at its works or godown at its discretion.

Export control regulation - retention clause

The fulfillment of the agreement on Siemens part is subject to the provision that this shall not be prevented by implements on the grounds of national and international legal requirements, in particular export control provision.

Note

- This supersedes all previous Price Lists
- Maximum Retail Prices (MRPs) mentioned in the publication are maximum recommended selling prices
- Invoice amount not to exceed MRP
- Invoice amount = MRP (less) applicable discount + applicable GST%
- For receiving material in factory sealed packing, we request you to order in multiples of the indicated standard packing quantity

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