

Distributions & Controls Catalog



www.stcontrol.com

**Electrical &
Distribution Control** Division



ST Control Co., Ltd.

Establishment: 25 November 1996
No. of Employees: 100-120 Persons
Authorized Capital: 50 MB



ST Advanced Technology Co., Ltd

Established: 6 January 2004
Number of personnel: 20-25 Persons
Registered capital: 25 MB

About Us:

ST Group (STC/STA) fundamentally is a Engineering and Design based Group for deliver state of art product and solutions for Automation to OEM machine makers as well as components supply that we have provide and serve market in early period of establishment.

Over two decade passed by, ST Group has already moved forward business into three pillars sectors, **Engineering Design, Trading and Contractors** accordingly.

In order to fulfill clients' needs, our sales & engineering team is formed with experienced engineers and technicians who possess several years of local and overseas experiences with modern management and traditional values, our company can be trusted as your contracting partner for all turn-key projects.

ST Group Engineering team which is core competency and backbone of the Group consist of more than 30 engineers, are well trained from product principals. Holding Degrees of: Computer, Civil & Structural, Electronics, Electrical Chemical, Mechanical, Environmental & Engineering & Project Management.

From the mission of the organization and over 130 employees dedicated to working hard We are ready to grow and become one of the leading SEA region.

Through the years we've developed trusting relationships with our clients by delivering expected value, where quality work is never comprised.

ได้รับการรับรองมาตรฐาน ISO 9001:2015

จาก Management System Certification Institute (Thailand) : MASI

การให้เก็บการอย่างมีมาตรฐานที่เป็นหัวใจหนึ่งของ บริษัท เอส.ที. คอนโทรล จำกัด เพื่อความเป็นระบบบริหารงานคุณภาพตามมาตรฐานสากล (Quality Management System) ในทุกส่วนงานบริการ บริษัทฯ ได้ผ่านการรับรองระบบมาตรฐาน ISO 9001:2015 จาก สถาบันรับรองมาตรฐานไอบีเอสโอล (สโซ.) (MASCI) เป็นที่เรียบด้วยและยังคงมีการประเมินทุกๆ ปีอย่างต่อเนื่อง

Head Office Address:

84/1 Soi Ramkhamhaeng 9 (Tararom), Ramkhamhaeng Road, Phlapphla Subdistrict, Wang Thonglang District, Bangkok, Thailand

Rayong Branch Office:

155/41-42 Ploenjai Village 5 Tambon Thap ma, Amphoe Muang Rayong, 21000, Thailand

ST Group Vision:

To be among the most preferred (EPCM) Companies in Thailand through innovative engineering and timely delivery of services to our clients with complete satisfaction.

ST Group Mission:

To provide the highest standard of our professional services to all our clients, and to exceed the expectations of our clients by ensuring Quality, Reliability, Safety and Timely Completion of projects through continual improvement in our operation system.

ST Group to Society:

We place people first on our value list and put the highest priority on ensuring human health, operational safety, environmental protection, quality enhancement, and community goodwill. We believe this is in the best interests of our customers, our employees and contractors, and the communities in which we live and work.

ST Group Health and Safety Policy:

ST Group is committed to a "no compromise" approach to Safety. No task will be undertaken if health, safety, environment or quality standards will be compromised.



ISO 9001
QMS 17014/1639
MASCI
NSC-TSI-TIS 17021
QMS 002



ISO 9001
QMS 17014/1639
MASCI
NSC-TSI-TIS 17021
QMS 002



ISO 9001
QMS 17014/1639
MASCI
NSC-TSI-TIS 17021
QMS 002



ISO 9001
QMS 17014/1639
MASCI
NSC-TSI-TIS 17021
QMS 002

ST Group Sales Divisions

Business Nature and Capabilities

Drive & Industrial Automation Division



- ◎ LV VFD (Frenic VG, Mega, Ace, Multi, Mini, HVAC Series)
- ◎ Servo System (Alpha 5 & Alpha 5 Smart Series)
- ◎ PLC, Programmable Logic Controller
- ◎ HMI, Human machine interface
- ◎ Process Control System
- ◎ Monitoring and Control System
- ◎ Multi-purpose Analog Monitoring System
- ◎ Process Data Acquisition and Analysis
- ◎ HMI Remote Control Software (TELLUS and V-Sever)

Process Instrument Division



- ◎ Flame and Gas Detection System
- ◎ Portable Gas Detectors
- ◎ Portable Calibration Equipment's
- ◎ Analyzers (Ambient, Environmental & Process)
- ◎ Analyzers Sampling System
- ◎ Fire Alarm System
- ◎ Signaling & Siren System
- ◎ Enclosure, Panel Solutions
- ◎ Maintenance Contracts

Electrical Distribution & Controls Division



- ◎ Low voltage equipment up to 600 volts
- ◎ MCCB, ELCB, ACB, Relays, Circuit protectors & fuses
- ◎ Magnetic contactors, Magnetic starters, SSC, MMS
- ◎ Pushbuttons, Pilot lights, Industrial Control Relays
- ◎ Power Monitoring Equipment's
- ◎ High voltage equipment Up to 36kV
- ◎ Disconnecting switches, Power Fuses
- ◎ Load break switches, Circuit Breakers
- ◎ Magnetic contactors

Oil & Gas Division



- ◎ Fire Fighting Equipment
- ◎ Fire Protection (Fire Suppression) System
- ◎ Fire Trucks & Vehicles
- ◎ Fire Fighting Custom Made Trailers
- ◎ Fire Pumps & Controllers
- ◎ Fire Monitors & Foam Proportioning Solutions
- ◎ Personal Protective Equipment (PPE) - HSE
- ◎ Fire Products for In-Door & Out-Door Use
- ◎ Flanges (JIS, ANSI, API, MSS, AWWA, DIN)

Power System & Transmission Division



- ◎ Air & Gas Insulated Switchgear Sub Station
- ◎ Switchgear & Ring Main Unit
- ◎ Transformer (Power, Distribution, Cast Resin)
- ◎ Main Distribution Board / Motor Control Centre
- ◎ Variable Speed Drives (LV/MV)
- ◎ Squirrel Cage, Slip Ring, Induction Motors (LV/MV)
- ◎ Soft & Liquid Start Solutions
- ◎ Solar PV, Inverter & Mounting Solutions
- ◎ Batch & Continuous Centrifugal for Sugar Industry
- ◎ Centrifugal Pumps for Sugar Industry
- ◎ Uninterruptible Power Supplies Solutions (UPS)

Water & Waste Water Division



- ◎ Electrical Engineering Solutions
- ◎ SCADA System for Municipalities
- ◎ IoT Solutions for Smart Cities and Municipalities
- ◎ Flow, Level & Pressure Measurement
- ◎ Water Quality Analysis Solutions
- ◎ Water Filtration & Ceramic Membrane System
- ◎ Flood Water Pumping Solutions
- ◎ Sewage & Drainage Pumping Solutions
- ◎ Pump Gate – an innovative solution to flood control
- ◎ PVC Valve, Flanges & Accessories
- ◎ Maintenance Contracts

ST Care Repair Drive Division



- ◎ Service Center for Fuji Electric SEA Market
- ◎ Troubleshooting, Installation & On-Site Services
- ◎ Maintenance, Repair and Overhaul Services
- ◎ Preventive Maintenance Contracts
- ◎ Calibration and Certification Services
- ◎ Spare Parts Inventory Management

Trains & Railway Engineering Division



- ◎ Civil Engineering for Railway Stations
- ◎ Electrical Engineering for Railway
- ◎ Signaling Solutions for Railway
- ◎ Inspection, Repairs & Overhaul Services
- ◎ Rolling Stock, Spare Parts Management
- ◎ Electrically Coupled Rotary UPS System

Fuji Electric Innovating Energy Technology	orion High Performance Fire Protection	WESTERN STATES where innovation happens everyday™	MKS	marathon electric	HiCONICS
Honeywell Analytics	SUNTECH	Ultraflux	JCT Analysentechnik	MOTORTRONICS Solid State AC Motor Control	EMERSON Industrial Automation
SFFECO	HASUH INDUSTRIES CORPORATION	TAECHIN TaeChin SMET Corporation	nVent HOFFMAN	ABB	SIEMENS

Menu

Consumer unit-EV.....	2
Consumer unit-ER	2
Consumer unit-LCS.....	3
Consumer unit-YCS.....	3
Consumer unit-YCS.....	4
Consumer unit & RCBO-YSN	4
Consumer unit & RCBO-YSR.....	5
Consumer unit & RCBO-YRO	6
Consumer unit & RCBO-YROS.....	7
Consumer unit -YVP/YRVP.....	8
Consumer unit & RCBO –YRVPS	8
Consumer unit -TCS	9
Consumer unit & RCBO –TSN	9
Consumer unit & RCBO –TSR	10
Consumer unit & RCBO –TRO.....	10
Distribution Box –LCS	11
Distribution Box –YCS.....	11
Distribution Box-TCS/TRO	12
Load Center-TP	12
Leakage Distribution Box-SAFE-ONE/SAFE-CARE	13
Miniature Circuit Breaker-YLTC.....	13
Miniature Circuit Breaker-YLTB/YLTBH	14
Residual Current operated Circuit-breaker with Integral Overcurrent protection	15
Surge Protective Device.....	17
TSCB SPD Backup Circuit Breaker.....	17
MV+MN Self-recovery over under –voltage protector	17
Miniature Circuit Breaker.....	18
Residual Current operated Circuit-breaker	18
Street Light Controller.....	18
Switch Box.....	18
Main Technical Specifications.....	19
Main Technical Specifications.....	20
Main Technical Specifications.....	21
Main Technical Specifications.....	22
Main Technical Specifications.....	23
Main Technical Specifications.....	24
(S-M)Series AC contact	25
(S-M) series thermal relays	26
Switch and Socket	27
LED Bulb	29
LED T8 Tube.....	29
LED Slim Downlight.....	30
LED Surface Downlight	31
LED Flood Light.....	32
LED Street Light.....	32
High and low voltage complete sets of electrical equipment	34

EV



Consumer unit-EV

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT
EV-2	16A.20A 32A.40A 50A.63A	140X156X97	30/1	Standard	TIS.1436-2540, IEC60898
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(lcn)	10,000A
EV-4	32A.40A 50A.63A	210X210X97	20/1	Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
				Degree Of Protection	IP30
EV-6	32A.40A 50A.63A	253X210X97	14/1	Operating Temperature	10-40°C

ER



Consumer unit-ER

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
ER-2	16A.20A 32A.40A 50A.63A	140X156X97	30/1	Standard	TIS.1436-2540, TIS.909-2548 IEC60898, IEC61009-1
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(lcn)	10,000A
ER-4	20A.32A 40A.50A 63A	210X210X97	20/1	Residual Operating Current (I Δ n)	30mA
				Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
				Rated insulation Voltage(Ui)	500V
ER-6	32A.40A 50A.63A	253X210X97	14/1	Overcurrent instantaneous	C TYPE
				Degree Of Protection	IP30
				Operating Temperature	10-40°C
				Surge Protection Device	20KA max

LCS



Consumer unit-LCS

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT
LCS-2	16A.20A 32A.40A 50A.63A	140X160X87	30/1	Standard	TIS.1436-2540, IEC60898
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
LCS-4	20A.32A 40A.50A.63A	198X208X87	20/1	Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
LCS-6	32A.40A 50A.63A	252X208X87	14/1	Degree Of Protection	IP30
				Operating Temperature	10–40°C

YCS



Consumer unit-YCS

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT
YCS-2	16A.20A 32A.40A 50A.63	140X172X89	30/1	Standard	TIS.1436-2540, IEC60898
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
YCS-4	16A.20A 32A.40A 50A.63	198X195X89	20/1	Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
YCS-6	32A.40A 50A.63A	262X210X89	14/1	Degree Of Protection	IP30
				Operating Temperature	10–40°C
YCS-8	32A.40A 50A.63A	300X210X89	10/1		
YCS-10	50A.63A	346X210X89	10/1		

YCS



Consumer unit-YCS

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT
YCS-12	50A.63A 80A.100A 125A	370X250X85	10/1	Standard	TIS.1436-2540,IEC60898
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
YCS 14	50A.63A 80A.100A 125A	424X250X85	10/1	Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
				Degree Of Protection	IP30
YCS -16	50A.63A 80A.100A 125A	480X250X85	10/1	Operating Temperature	10-40°C

YSN



Consumer unit & RCBO-YSN

YSN-2	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
YSN-2	16A.20A 32A.40A 50A.63A	140X172X89	30/1	Standard	TIS.1436-2540,TIS.909-2548 IEC60898,IEC61009-1
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
YSN-4	16A.20A 32A.40A 50A.63A	198X195X89	20/1	Residual Operating Current (I Δ n)	30mA
				Leakage Current Tripping Time	≤ 0.04 sec
YSN-6	32A.40A 50A.63A	262X210X89	14/1	Residual Making and Breaking Capacity(I Δ m)	500A
				Rated insulation Voltage(Ui)	500V
YSN-8	32A.40A 50A.63A	300X210X89	10/1	Overcurrent instantaneous	C TYPE
				Degree Of Protection	IP30
				Operating Temperature	10-40°C

YSR



Consumer unit & RCBO-YSR

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
YSR-2	16A.20A 32A.40A 50A.63A	198X195X89	20/1	Standard	TIS.1436– 2540,TIS.909–2548 IEC60898,IEC61009–1
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
YSR-4	32A.40A 50A.63A	262X210X89	14/1	Residual Operating Current (I Δ n)	30mA
				Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
YSR-6	32A.40A 50A.63A	300X210X89	10/1	Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
				Degree Of Protection	IP30
YSR-8	40A.50A 63A	346X210X89	10/1	Operating Temperature	10–40°C
				Surge Protection Device	20KA max

YSR



Consumer unit & RCBO-YSR

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
YSR-10	32A.40A 50A.63A	370X250X85	10/1	Standard	TIS.1436– 2540,TIS.909–2548 IEC60898,IEC61009–1
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
YSR-12	32A.40A 50A.63A	424X250X85	10/1	Residual Operating Current (I Δ n)	30mA
				Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
YSR-14	32A.40A 50A.63A	480X250X85	10/1	Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
				Degree Of Protection	IP30
				Operating Temperature	10–40°C
				Surge Protection Device	20KA max

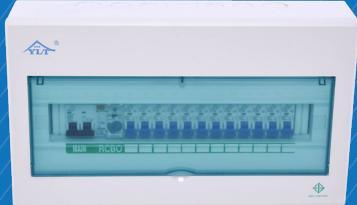
YRO



Consumer unit & RCBO-YRO

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
YRO-4	32A.40A 50A.63A	262X210X89	14/1	Standard	TIS.1436– 2540,TIS.909–2548 IEC60898,IEC61009–1
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
				Residual Operating Current (I Δ n)	6mA,10mA,30mA
YRO-6	32A.40A 50A.63A	300X210X89	10/1	Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
				Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
YRO-8	32A.40A 50A.63A	346X210X89	10/1	Degree Of Protection	IP30
				Operating Temperature	10–40°C
				Surge Protection Device	20KA max

YRO



Consumer unit & RCBO-YRO

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
YRO-10	32A.40A 50A.63A	370X250X85	10/1	Standard	TIS.1436– 2540,TIS.909–2548 IEC60898,IEC61009–1
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
				Residual Operating Current (I Δ n)	6mA,10mA,30mA
YRO-12	32A.40A 50A.63A	424X250X85	10/1	Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
				Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
YRO-14	32A.40A 50A.63A	480X250X85	10/1	Degree Of Protection	IP30
				Operating Temperature	10–40°C
				Surge Protection Device	20KA max

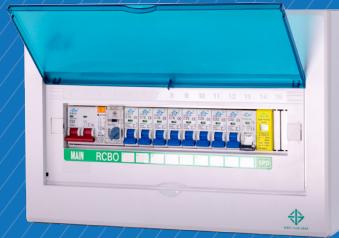
YROS



Consumer unit & RCBO-YROS

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
YROS-4	32A.40A 50A.63A	300X210X89	10/1	Standard	TIS.1436– 2540,TIS.909–2548 IEC60898,IEC61009–1
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
				Residual Operating Current (I Δ n)	6mA,10mA,30mA
				Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
				Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
				Degree Of Protection	IP30
				Operating Temperature	10–40°C
YROS-6	32A.40A 50A.63A	346X210X89	10/1	Surge Protection Device	20KA max

YROS



Consumer unit & RCBO-YROS

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
YROS-8	32A.40A 50A.63A	370X250X85	10/1	Standard	TIS.1436– 2540,TIS.909–2548 IEC60898,IEC61009–1
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
				Residual Operating Current (I Δ n)	6mA,10mA,30mA
				Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
				Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
				Degree Of Protection	IP30
				Operating Temperature	10–40°C
YROS-10	32A.40A 50A.63A	424X250X85	10/1	Surge Protection Device	20KA max
YROS-12	32A.40A 50A.63A	480X250X85	10/1		
YROS-14	32A.40A 50A.63A	480X250X85	10/1		

YVP/YRVP



Consumer unit –YVP/YRVP

				SPECIFICATION	
Model	Main Breaker	L x W x H (mm)	Packing	Standard	TIS.1436-2540,TIS.909-2548 IEC60898,IEC61009-1
YVP	16A.20A 32A.40A 50A.63A	140X172X89	30/1	Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(lcn)	10,000A
				Residual Operating Current (I Δ n)	30mA
				Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
				Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
				Degree Of Protection	IP30
YRVP	16A.20A 32A.40A 50A.63A	198X195X89	20/1	Operating Temperature	10–40°C
				Voltage Protection	175–275Vac±5% DelayTime60s
				RCBO	I Δ n 30mA,lcn 10kA

YRVPS



Consumer unit & RCBO –YRVPS

				SPECIFICATION	
Model	Main Breaker	L x W x H (mm)	Packing	Standard	TIS.1436-2540,TIS.909-2548 IEC60898,IEC61009-1
YRVPS-6	32A.40A 50A.63A	370X250X89	10/1	Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(lcn)	10,000A
				Residual Operating Current (I Δ n)	30mA
YRVPS-8	32A.40A 50A.63A	424X250X89	10/1	Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
				Rated insulation Voltage(Ui)	500V
YRVPS-10	32A.40A 50A.63A	424X250X89	10/1	Overcurrent instantaneous	C TYPE
				Degree Of Protection	IP30
				Operating Temperature	10–40°C
YRVPS-12	32A.40A 50A.63A	480X250X85	V10/1	Voltage Protection	175–275Vac±5% DelayTime60s
				RCBO	I Δ n 30mA,lcn 10kA



Consumer unit -TCS

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT
TCS-4	16A.20A 32A.50A 63A	250X210X10	20/1	Standard	TIS.1436-2540, IEC60898
TCS-6	32A.40A 50A.63A	285X210X10	14/1	Voltage/Frequency	220 VAC/50 Hz
TCS-8	32A.40A 50A.63A	320X210X10	10/1	Short Circuit Capacity(Icn)	10,000A
TCS-10	50A.63A	360X210X10	10/1	Rated insulation Voltage(Ui)	500V
TCS-12	50A.63A	400X210X10	10/1	Overcurrent instantaneous	C TYPE
TCS-14	50A.63A	435X210X10	10/1	Degree Of Protection	IP30
				Operating Temperature	10-40°C



Consumer unit & RCBO -TSN

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
TSN-4	16A.20A 32A.40A 50A.63A	250X210X10	20/1	Standard	TIS.1436-2540,TIS.909-2548 IEC60898,IEC61009-1
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
				Residual Operating Current (I Δ n)	30mA
TSN-6	32A.40A 50A.63A	285X210X10	14/1	Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
				Rated insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
TSN-8	32A.40A 50A.63A	320X210X10	10/1	Degree Of Protection	IP30
				Operating Temperature	10-40°C
				Surge Protection Device	20KA max

TSR



Consumer unit & RCBO –TSR

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
TSR-4	32A.40A 50A.63A	285X210X10	14/1	Standard	TIS.1436– 2540,TIS.909–2548 IEC60898,IEC61009–1
TSR-6	32A.40A 50A.63A	320X210X10	10/1	Voltage/Frequency Short Circuit Capacity(Icn) Residual Operating Current (I Δ n)	220 VAC/50 Hz 10,000A 30mA
TSR-8	32A.40A 50A.63A	360X210X10	10/1	Leakage Current Tripping Time Residual Making and Breaking Capacity(I Δ m)	≤ 0.04 sec 500A
TSR-10	32A.40A 50A.63A	400X210X10	10/1	Rated insulation Voltage(Ui) Overcurrent instantaneous	500V C TYPE
TSR-12	32A.40A 50A.63A	435X210X10	10/1	Degree Of Protection Operating Temperature Surge Protection Device	IP30 10–40°C 20KA max

TRO



Consumer unit & RCBO –TRO

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
TRO-4	32A.40A 50A.63A	285X210X10	14/1	Standard	TIS.1436– 2540,TIS.909–2548 IEC60898,IEC61009–1
TRO -6	32A.40A 50A.63A	320X210X10	10/1	Voltage/Frequency Short Circuit Capacity(Icn) Residual Operating Current (I Δ n)	220 VAC/50 Hz 10,000A 6mA,10mA,30mA
TRO -8	32A.40A 50A.63A	360X210X10	10/1	Leakage Current Tripping Time Residual Making and Breaking Capacity(I Δ m)	≤ 0.04 sec 500A
TRO -10	32A.40A 50A.63A	400X210X10	10/1	Rated insulation Voltage(Ui) Overcurrent instantaneous	500V C TYPE
TRO -12	32A.40A 50A.63A	435X210X10	10/1	Degree Of Protection Operating Temperature Surge Protection Device	IP30 10–40°C 20KA max

LCS



Distribution Box -LCS

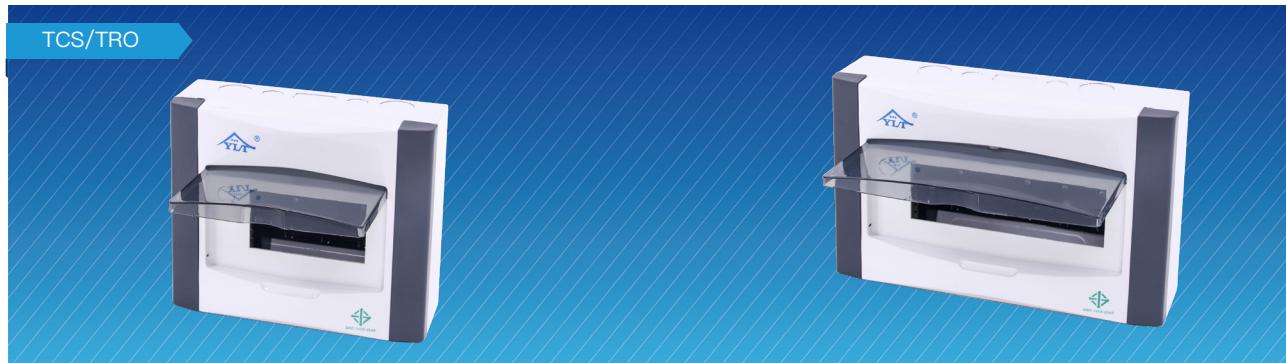
Model	L x W x H (mm)	Packing
L-2	140X160X87	30/1
L-4	198X208X87	20/1
L-6	252X208X87	20/1

YCS



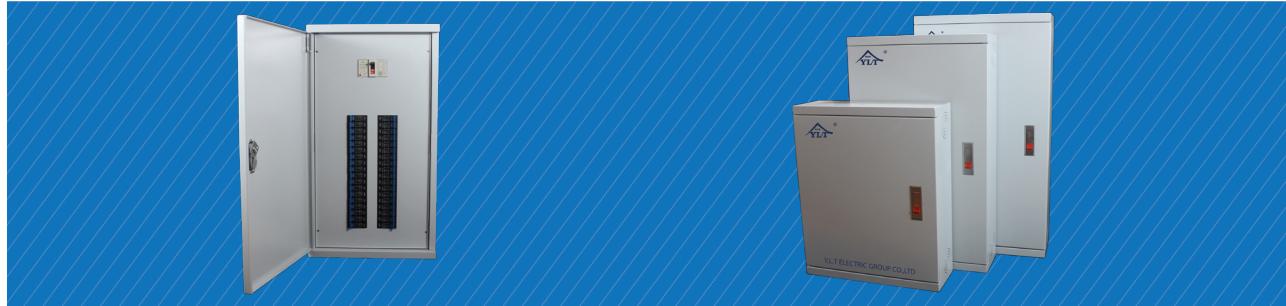
Distribution Box -YCS

Model	L x W x H (mm)	Packing
Y-2	140X172X89	30/1
Y-4	198X195X89	20/1
Y-6	262X210X89	20/1
Y-8	300X210X89	10/1
Y-10	346X210X89	10/1
Y-12	370X250X85	10/1
Y-14	424X250X85	10/1
Y-16	480X250X85	10/1



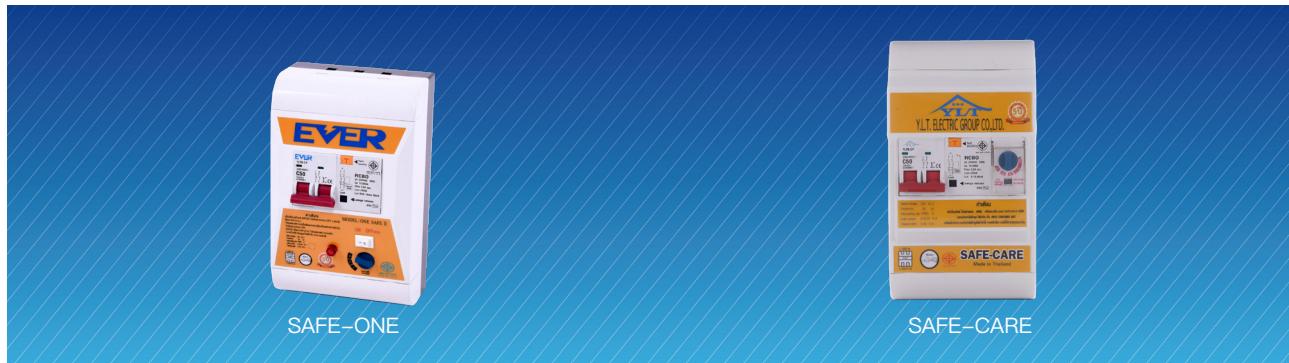
Distribution Box-TCS/TRO

Model	L x W x H (mm)	Packing
TCS-4	250X210X10	20/1
TCS-6/TRO-4	285X210X10	20/1
TCS-8/TRO-6	320X210X10	10/1
TCS-10/TRO-8	360X210X10	10/1
TCS-12/TRO-10	400X210X10	10/1
TCS-14/TRO-12	435X210X10	10/1



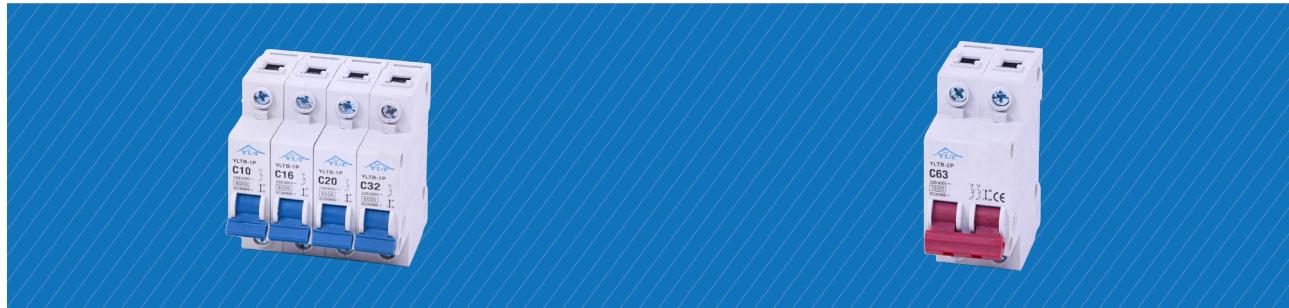
Load Center-TP

Model	Main Breaker	L x W x H (mm)	SPECIFICATION	
TP-12	63A.80A.100A.125A	465X385X127	Model	Load center & consumer unit
TP-18	63A.80A.100A.125A	522X385X127	Standard	TIS1436-2540, IEC60947-2
TP-24	63A.80A.100A.125A	579X385X127	Rated Voltage(V)	AC400V
TP-30	63A.80A.100A.125A	635X385X127	Rated insulation Voltage(V)	AC690V
TP-36	63A.80A.100A.125A	692X385X127		
TP-42	63A.80A.100A.125A	749X385X127		



Leakage Distribution Box–SAFE-ONE/SAFE–CARE

Model	Main Breaker	L x W x H (mm)	Packing	SPECIFICATION	
				Model	CONSUMER UNIT&RCBO
SAFE-ONE	16A.32A 40A.50A 63A	117x185x80	30/1	Standard	TIS.909-2548 IEC60898, IEC61009-1
				Voltage/Frequency	220 VAC/50 Hz
				Short Circuit Capacity(Icn)	10,000A
				Residual Operating Current (I Δ n)	6mA, 10mA, 30mA
				Leakage Current Tripping Time	≤ 0.04 sec
				Residual Making and Breaking Capacity(I Δ m)	500A
				Rated Insulation Voltage(Ui)	500V
				Overcurrent instantaneous	C TYPE
SAFE-CARE	16A.32A 40A.50A 63A	117x212x80	25/1	Degree Of Protection	IP30
				Operating Temperature	10–40°C
				Surge Protection Device	20KA max



Miniature Circuit Breaker–YLTC

Model	Main Breaker	Packing	SPECIFICATION	
			Short Circuit Capacity(Icn) (1P)	6000A
YLTC-1P	10A.16A 20A.32A	240/12/1	Voltage	230/400V
			Frequency	50Hz
			Standard	IEC60898 –1
			Short Circuit Capacity(Icn) (2P/3P/4P)	10000A
YLTC-2P	16A.20A 32A.40A 50A.63A	120/6/1	Voltage(2P/3P/4P)	400/415~
			Frequency	50Hz
			Standard	IEC60898 –1



Miniature Circuit Breaker—YLTB/YLTBH

Model	Main Breaker	SPECIFICATION	
		Short Circuit Capacity(Icn) (1P)	6000A
YLTB-1P	6A.10A.16A 20A.25A.32A	Voltage	230/400V
YLTBH-2P	10A.16A.20A 25A.32A.40A 50A.63A	Frequency	50Hz
YLTBH-3P	10A.16A.20A 32A.40A.50A 63A	Standard	IEC60898 –1
YLTBH-4P	6A.10A.16A 20A.25A.32A 40A.50A.63A	Short Circuit Capacity(Icn) (2P/3P/4P)	10000A
		Voltage(2P/3P/4P)	400/415~
		Frequency	50Hz
		Standard	IEC60898 –1



Miniature Circuit Breaker—YLTA

Model	Main Breaker	SPECIFICATION	
		Short Circuit Capacity(Icn) (1P)	6000A
YLTA-1P	10A.16A 20A.32A	Voltage	230/400V
YLTA-2P	10A.20A.32A 40A.50A.63A	Frequency	50Hz
YLTA-3P	16A.20A.32A 40A.50A.63A	Standard	IEC60898 –1
		Short Circuit Capacity(Icn) (2P/3P/4P)	10000A
		Voltage(2P/3P/4P)	400/415~
		Frequency	50Hz
		Standard	IEC60898 –1



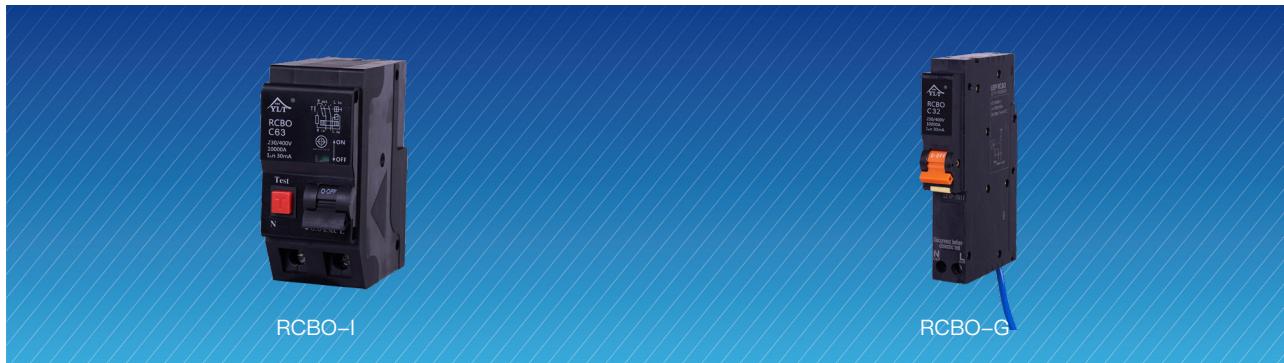
Residual Current operated Circuit-breaker with Integral Overcurrent protection

Model	Main Breaker	SPECIFICATION	
		Standard	IEC60898, IEC61009-1
RCBO-A	16A.20A.32A 40A.50A.63A	Rated Voltage	230/400V~
		Short Circuit Capacity(Icn)	10,000A
		Residual Operating Current (I Δ n)	6mA, 10mA, 30mA
RCBO-B	16A.20A.32A 40A.50A.63A	Leakage Current Tripping Time	≤ 0.04 sec
		Degree Of Protection	IP30



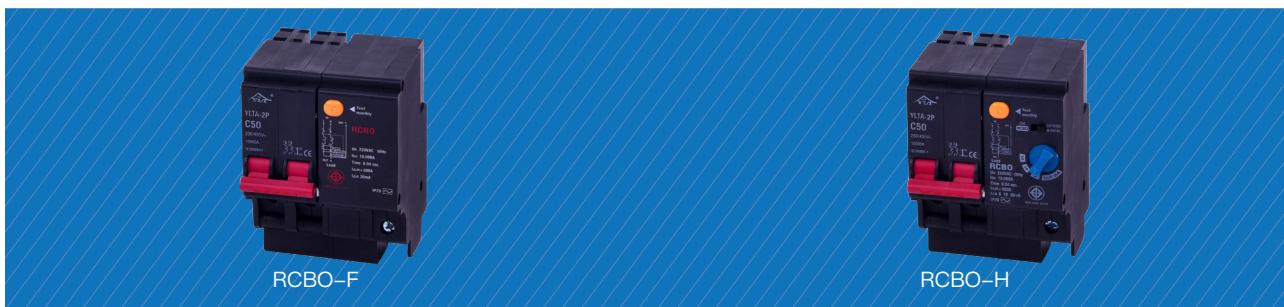
Residual Current operated Circuit-breaker with Integral Overcurrent protection

Model	Main Breaker	SPECIFICATION	
		Standard	IEC60898, IEC61009-1
RCBO-C	16A.20A.32A 40A.50A.63A	Rated Voltage	230/400V~
		Short Circuit Capacity(Icn)	10,000A
		Residual Operating Current (I Δ n)	30mA
RCBO-D	16A.20A.32A 40A.50A.63A	Leakage Current Tripping Time	≤ 0.04 sec
		Degree Of Protection	IP30
RCBO-E	16A.20A.32A 40A.50A.63A	Standard	IEC60898, IEC61009-1



Residual Current operated Circuit-breaker with Integral Overcurrent protection

Model	Main Breaker	SPECIFICATION	
		Standard	IEC60898, IEC61009-1
RCBO-I	16A.20A.32A 40A.50A.63A	Rated Voltage	230/400V~
		Short Circuit Capacity(Icn)	10,000A
		Residual Operating Current (I Δ n)	30mA
RCBO-G	6A.10A.16A 20A.25A.32A	Leakage Current Tripping Time	≤ 0.04 sec
		Degree Of Protection	IP30



Residual Current operated Circuit-breaker with Integral Overcurrent protection

Model	Main Breaker	SPECIFICATION	
		Standard	IEC60898, IEC61009-1
RCBO-F	16A.20A.32A 40A.50A.63A	Rated Voltage	230/400V~
		Short Circuit Capacity(Icn)	10,000A
		Residual Operating Current (I Δ n)	6mA, 10mA, 30mA
RCBO-H	16A.20A.32A 40A.50A.63A	Leakage Current Tripping Time	≤ 0.04 sec
		Degree Of Protection	IP30



Surge Protective Device

model		(VAC)	I _{max} (KA)	I _n (KA)	VP
LYD2-C20			20KA	10KA	≤ 1.5KV
LYD2-C40			40KA	20KA	≤ 1.8KV
LYD2-C60	1P,2P 3P,4P	385	60KA	30KA	≤ 2.0KV
LYD2-C80			80KA	40KA	≤ 2.4KV
LYD-100			100KA	50KA	≤ 2.5KV



TSCB SPD Backup Circuit Breaker

model		(A)	(VAC)	I _{max} (KA)	I _n (KA)	ISC(KA)
TSCB-20				20KA	10KA	25KA
TSCB-40				40KA	20KA	50KA
TSCB-60	1P,2P 3P,4P	3A	230	60KA	30KA	50KA
TSCB-80				80KA	40KA	100KA
TSCB-100				100KA	50KA	100A
TSCB-120				120KA	60KA	100KA



MV+MN Self-recovery over under –voltage protector

model		Hz	Over Voltage	Operating Voltage	Under Voltage
YLQG-25					
YLQG-32	2P	50	275±5	240–260	175±5
YLQG-40					
YLQG-50	4P	50	460±15	420–440	300±15
YLQG-63					



Miniature Circuit Breaker

Model	L x W	Detail
SW-15	22X35	
SW-20	45X35	2P+N 115/230V 50/60Hz
SW-30	45X35	Icn 1.5kA
SW-40	70X35	



Residual Current operated Circuit-breaker

Model	Packing	Detail
ST-20	10	2P+N 230V 50Hz
ST-30	10	15 mA,30mA Icn 1.5kA
ST-40	10	



Street Light Controller

Model	Packing	Detail
PT-3A	10	
PT-6A	10	
PT-10A	10	
PT-15A	10	Ac 220V Load 3A,6A,10A,15A



Switch Box

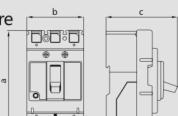
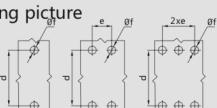
Model	2P	
BK-2	16A.20A.32A.40A.50A.63A.80A.100A.125A	
BOXRCCB	15A.20A.30A.40A	



Main Technical Specifications



Main Technical Specifications

Frame(A)	SM30-63(NF-CW)						Operating characteristics			
Rated current In(A)	3, 6, 10, 16, 20, 25, 32, 40, 50, 63									
Rated voltage(V)	AC 400V									
Rated insulation voltage(V)	AC 500V									
Number of poles	2			3						
Limited breaking capacity	C	S	H	C	S	H				
Short circuit interrupting capacity(kA) AC400V	5	5	10	5	5	10				
Operate short circuit(kA) AC400V	2	2	5	2	2	5				
Profile picture	a 	130			130					
	b	50			74					
	c	88			88					
Mounting picture	d 	110			110					
	e	/			25					
	f	5			5					
Machine life	7000									
Electrical life	4000									
Electrical-operation device(MD)										
External rotary handle										
Automatic tripping device	Hydraulic-magnetic									
• Said the attachment										

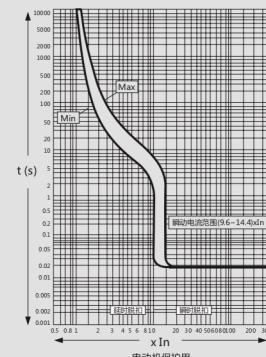
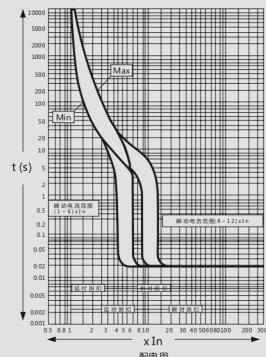


Main Technical Specifications



Main Technical Specifications

Frame(A)	SM30-250(NF-CW)						Operating characteristics		
Rated current In(A)	100, 125, 140, 150, 160, 175, 200, 225, 250								
Rated voltage(V)	AC 400V								
Rated insulation voltage(V)	AC 690V								
Number of poles	3			4					
Limited breaking capacity	C	S	H	C	S	H			
Short circuit interrupting capacity(kA) AC400V	18	30	50	18	30	50			
Operate short circuit(kA) AC400V	9	15	25	9	15	25			
Profile picture	a 	b 	c 	a	165		165		
				b	105		140		
				c	90		90		
Mounting picture	d 	e 	f 	d	126		126		
				e	35		35		
				f	5		5		
Machine life	4000								
Electrical life	2000								
Electrical-operation device(MD)	•								
External rotary handle	•								
Automatic tripping device	Thermal-magnetic								
• Said the attachment									



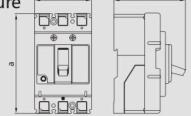
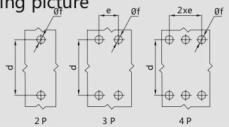


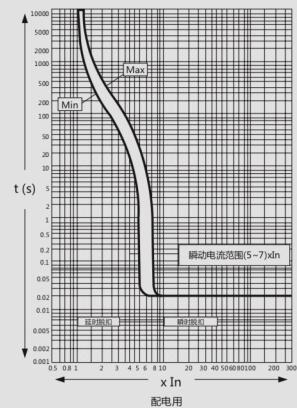
Main Technical Specifications

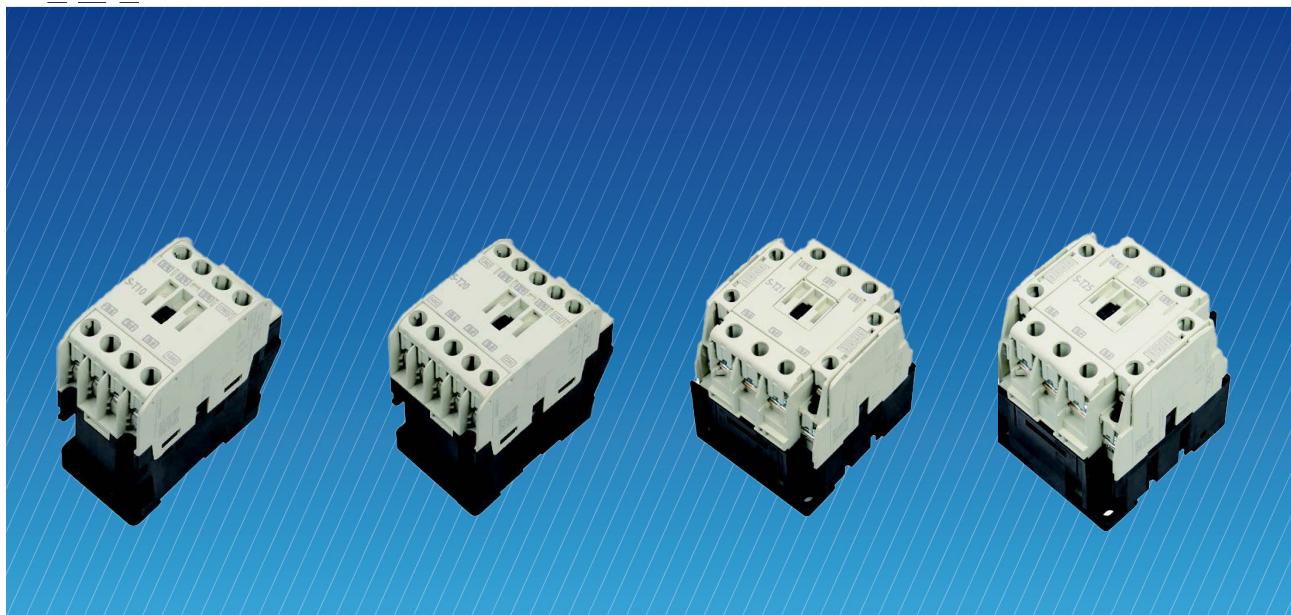
Frame(A)	SM30-400(NF-CW)						Operating characteristics			
Rated current In(A)	250、300、315、350、400									
Rated voltage(V)	AC 400V									
Rated insulation voltage(V)	AC 690V									
Number of poles	3			4						
Limited breaking capacity	C	S	H	C	S	H				
Short circuit interrupting capacity(kA) AC400V	25	35	50	25	35	50				
Operate short circuit(kA) AC400V	15	20	25	15	20	25				
Profile picture	a	258			258					
	b	140			185					
	c	153			153					
Mounting picture	d	195			195					
	e	45			45					
	f	8			8					
Machine life	4000									
Electrical life	1500									
Electrical-operation device(MD)	●									
External rotary handle	●									
Automatic tripping device	Thermal-magnetic									
• Said the attachment										



Main Technical Specifications

Frame(A)	SM30-630(800)(NF-CW)			Operating characteristics
Rated current In(A)	500、600、630、700、800			
Rated voltage(V)	AC 400V			
Rated insulation voltage(V)	AC 690V			
Number of poles	3			
Limited breaking capacity	C	S	H	
Short circuit interrupting capacity(kA) AC400V	36	50	70	
Operate short circuit(kA) AC400V	18	25	35	
Profile picture	a 	b	c	275
		a		210
		b		150
Mounting picture	d 	e	f	243 70 8
Machine life	4000			
Electrical life	1500			
Electrical-operation device(MD)	●			
External rotary handle	●			
Automatic tripping device	Thermal-magnetic			
• Said the attachment				

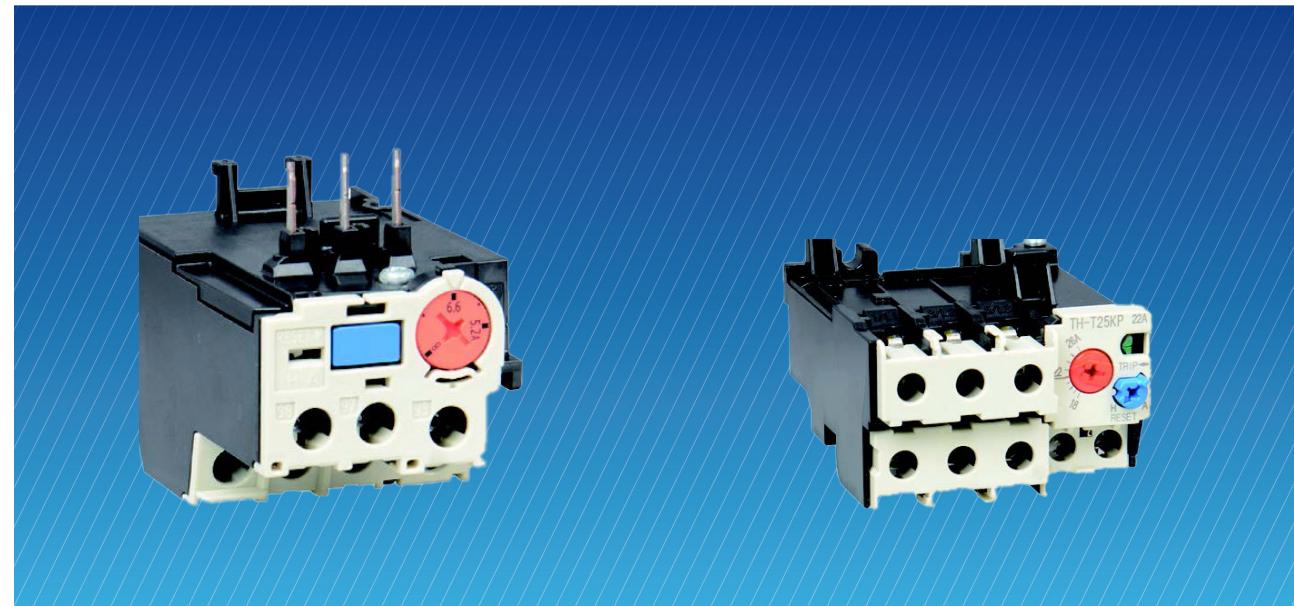




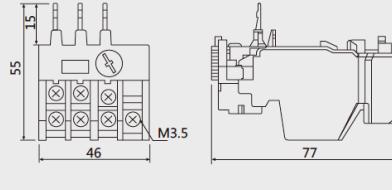
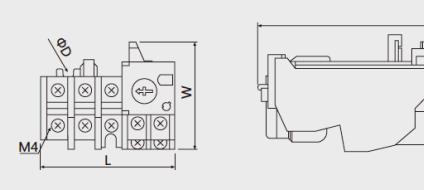
(S-M)Series AC contact

Frame(A)		S-M10(S-T10)	S-M12(S-T12)	S-M20(S-T20)	S-M21(S-T21)	S-M25(S-T25)			
KW/HP(AC-3) Reted power(AC-3) IEC60947-4	220V	2.5/3.5	3.5/4.5	5.5/7.5	5.5/7.5	7.5/10			
	380V	4/5.5	5.5/7.5	11/15	11/15	15/20			
Reted current(AC-3) GB14048.4	220V	11	13	22	22	30			
	380V	9	12	22	22	34			
Reted heating current(A)		20		32		50			
Reted insulated voltage(V)		660							
Auxicary contact AC-15	Contact	Standard	1NO	1NO+1NC	1NO+1NC	2NO+2NC			
	Reted current (A)	220V	1.6						
		380V	0.95						
Electric life		100			80				
Mechanical life		1000		500		500			
Outline and installation dimension									
		Type	L	W	H	C1	C2	ΦD	
		S-T10	36	75	78	60	28	4.2	
		S-T12	44	75	78	60	30/35	4.2	
		S-T20							
		S-T21	63	81	81	58	54	4.5	
		S-T25							

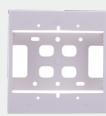
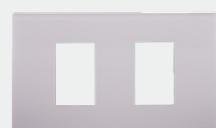
- Said the attachment



(S-M) series thermal relays

Frame(A)	TH-T28		TH-T25	
Suitable AC contactor	S-M10/12			S-M20/35
Aux contact structure	Manual or Auto return			
Adjust range selct(A)	Select(A)	Adjust range(A)	Select(A)	Adjust range(A)
	0.24A	0.2~0.32	1.3A	1~1.6
	0.35A	0.28~0.42	1.7A	1.4~2.0
	0.5A	0.4~0.6	2.1A	1.7~2.5
	0.7A	0.55~0.85	2.5A	2~3
	0.9A	0.7~1.1	3.6A	2.8~4.4
	1.3A	1~1.6	5A	4~6
	1.7A	1.4~2.0	6.6A	5.2~8
	2.1A	1.7~2.5	9A	7~11
	2.5A	2~3	11A	9~13
	3.6A	2.8~4.4	15A	12~18
	5A	4~6	19A	16~22
Aux contact structure	1a1b(1NO+1NC)			
	 TH-T18			
	Type	L	W	H
	TH-T25	63	51	81
Outline and installation dimension	 TH-T25			
	ΦD	4.5		
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Switch and Socket



G 7



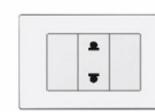
G7-001
1 gang 1 way switch
1 gang 2 way switch



G7-002
2 gang 1 way switch
2 gang 2 way switch



G7-003
3 gang 1 way switch
3 gang 2 way switch



G7-005
1 gang 16A socket



G7-006
2 gang 16A socket



G7-007
3 gang 16A socket



G7-021
2 gang philippine socket



G7-023
2 USB and philippine socket



G7-026
2 USB and 2 philippine socket



G7-040
1 gang TV socket



G7-041
TV TEL and computer socket



G7-043
TV and computer socket



G7-049
Card to take power

G 7.6



G7.6-001
1 gang 1 way switch
1 gang 2 way switch



G7.6-002
2 gang 1 way switch
2 gang 2 way switch



G7.6-003
3 gang 1 way switch
3 gang 2 way switch



G7.6-005
1 gang 16A socket



G7.6-006
2 gang 16A socket



G7.6-005
3 gang 16A socket



G7.6-021
2 gang philippine socket



G7.6-023
2 USB and philippine socket



G7.6-026
2 USB and 2 philippine socket



G7.6-039
1 gang tel socket
1 gang computer socket



G7.6-040
1 gang TV socket



G7.6-041
TV TEL and computer socket



G7.6-042
TEL and computer socket
2 gang computer socket



G7.6-043
TV and computer socket



G7.6-044
1 gang fan speed switch
1 gang dimmer switch



G7.6-049
Card to take power

G 8.6

G 8.6-042

TEL and computer socket
2 gang computer socket



G8.6-001
1 gang 1 way switch
1 gang 2 way switch



G8.6-002
2 gang 1 way switch
2 gang 2 way switch



G8.6-003
3 gang 1 way switch
3 gang 2 way switch



G8.6-005
1 gang 16A socket



G8.6-006
2 gang 16A socket



G8.6-007
3 gang 16A socket



G8.6-021
2 gang philippine socket



G8.6-023
2 USB and philippine socket



G8.6-026
2 USB and 2 philippine socket



G8.6-039
1 gang tel socket
1 gang computer socket



G8.6-040
1 gang TV socket



G8.6-041
TEL and computer socket
2 gang computer socket



G8.6-043
TV and computer socket



G8.6-044
1 gang fan speed switch
1 gang dimmer switch



G8.6-049
Card to take power

LED Bulb



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	Size
BL-5W-A	5W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	475lm	25000hrs	280°	> 80	Φ50xH98
BL-7W-A	7W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	665lm	25000hrs	280°	> 80	Φ60xH1108
BL-9W-A	9W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	855lm	25000hrs	280°	> 80	Φ60xH1108
BL-12W-A	12W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1140lm	25000hrs	280°	> 80	Φ60xH1123
BL-13W-G	13W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1170lm	25000hrs	200°	> 80	Φ67mm*H120
BL-18W-G	18W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1620lm	25000hrs	200°	> 80	Φ77mm*H140
BL-25W-G	25W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	2250lm	25000hrs	200°	> 80	Φ97mm*H170
BL-36W-G	36W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	3240lm	25000hrs	200°	> 80	Φ120mm*H200

LED T8 Tube



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	Size
T8-9W-G	9W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	800lm	25000hrs	320°	> 80	Φ28x589
T8-18W-G	18W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1700lm	25000hrs	320°	> 80	Φ28x1199
T8-9W-SET	9W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	800lm	25000hrs	120°	> 80	615x33x50
T8-18W-SET	18W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1700lm	25000hrs	120°	> 80	1224x33x50
T8-9W-YT	9W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	900lm	25000hrs	120°	> 80	615x33x33
T8-18W-YT	18W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1800lm	25000hrs	120°	> 80	1224x33x33

LED Slim Downlight



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	Size
CL-6W-CR	6W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	420lm	25000hrs	120°	> 80	D120x11
CL-9W-CR	9W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	630lm	25000hrs	120°	> 80	D150x11
CL-12W-CR	12W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	840lm	25000hrs	120°	> 80	D170x11
CL-18W-CR	18W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1480lm	25000hrs	120°	> 80	D225x11
CL-24W-CR	24W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1680lm	25000hrs	120°	> 80	D300x11

LED Slim Downlight



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	Size
CL-6W-CS	6W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	420lm	25000hrs	120°	> 80	D120x11
CL-9W-CS	9W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	630lm	25000hrs	120°	> 80	D150x11
CL-12W-CS	12W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	840lm	25000hrs	120°	> 80	D170x11
CL-18W-CS	18W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1480lm	25000hrs	120°	> 80	D225x11
CL-24W-CS	24W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1680lm	25000hrs	120°	> 80	D300x11

LED Surface Downlight



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	Size
CL-6W-MR	6W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	420lm	35000hrs	120°	> 80	D120×25
CL-12W-MR	12W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	840lm	35000hrs	120°	> 80	D170×25
CL-18W-MR	18W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1480lm	35000hrs	120°	> 80	D225×25
CL-24W-MR	24W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1680lm	35000hrs	120°	> 80	D300×25

LED Surface Downlight



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	Size
CL-6W-MS	6W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	420lm	35000hrs	120°	> 80	D120×25
CL-12W-MS	12W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	840lm	35000hrs	120°	> 80	D170×25
CL-18W-MS	18W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1480lm	35000hrs	120°	> 80	D225×25
CL-24W-MS	24W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	1680lm	35000hrs	120°	> 80	D300×25

LED Flood Light



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	Size
FL-30W-S	30W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	2700lm	35000hrs	90°	> 80	210×40×160
FL-50W-S	50W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	4500lm	35000hrs	90°	> 80	270×50×210
FL-100W-S	100W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	8500lm	35000hrs	90°	> 80	270×50×310
FL-150W-S	150W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	12000lm	35000hrs	90°	> 80	380×50×310
FL-200W-S	200W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	18000lm	35000hrs	90°	> 80	500×50×310

LED Street Light



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	Size	IP Rating	SPD
MSL-30W-A	30W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	3300lm	35000hrs	105°	> 80	3658×135×1844	65	4KV
MSL-60W-A	60W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	6600lm	35000hrs	105°	> 80	4313×160×893	65	4KV
MSL-90W-A	90W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	9900lm	35000hrs	105°	> 80	4313×160×893	65	4KV
MSL-50W-W	50W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	5000lm	35000hrs	120°	> 80	500×215×85	65	4KV
MSL-90W-W	90W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	9000lm	35000hrs	120°	> 80	720×280×120	65	4KV
MSL-120W-W	120W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	12000lm	35000hrs	120°	> 80	720×280×120	65	4KV



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	Size	IP Rating	SPD
IR-100W--UFOG	100W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	12000lm	35000hrs	90°	> 80	Φ280x172	65	4KV
IR-150W--UFOG	150W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	16500lm	35000hrs	90°	> 80	Φ350x192	65	4KV
IR-200W--UFOG	200W	AC200–240V	"Daylight Warmwhite"	"3000K 6500K"	22000lm	35000hrs	90°	> 80	Φ350x192	65	4KV



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	IP Rating	Charge Time	Lighting time
FL-80W--SF	80W	DC24V	"Daylight Warmwhite"	"3000K 6500K"	8000lm	35000hrs	90°	> 80	65	6–10hrs	15hrs
FL-100W--SF	100W	DC24V	"Daylight Warmwhite"	"3000K 6500K"	10000lm	35000hrs	90°	> 80	65	6–10hrs	15hrs
FL-200W--SF	200W	DC24V	"Daylight Warmwhite"	"3000K 6500K"	20000lm	35000hrs	90°	> 80	65	6–10hrs	15hrs



Model	Watt	Coltage	Color	Temperature	Lumen	Lifetime	Beam Angle	CRI	IP Rating	Charge Time	Lighting time
MSL-20W--SSYT	20W	144WH	"Daylight Warmwhite"	"3000K 6500K"	2000lm	35000hrs	120°	> 80	65	10hrs	> 3 Nights
MSL-30W--SSYT	30W	252WH	"Daylight Warmwhite"	"3000K 6500K"	3000lm	35000hrs	120°	> 80	65	10hrs	> 3 Nights
MSL-50W--SSYT	50W	360WH	"Daylight Warmwhite"	"3000K 6500K"	5000lm	35000hrs	120°	> 80	65	10hrs	> 3 Nights
MSL-80W--SSYT	80W	480WH	"Daylight Warmwhite"	"3000K 6500K"	8000lm	35000hrs	120°	> 80	65	10hrs	> 3 Nights

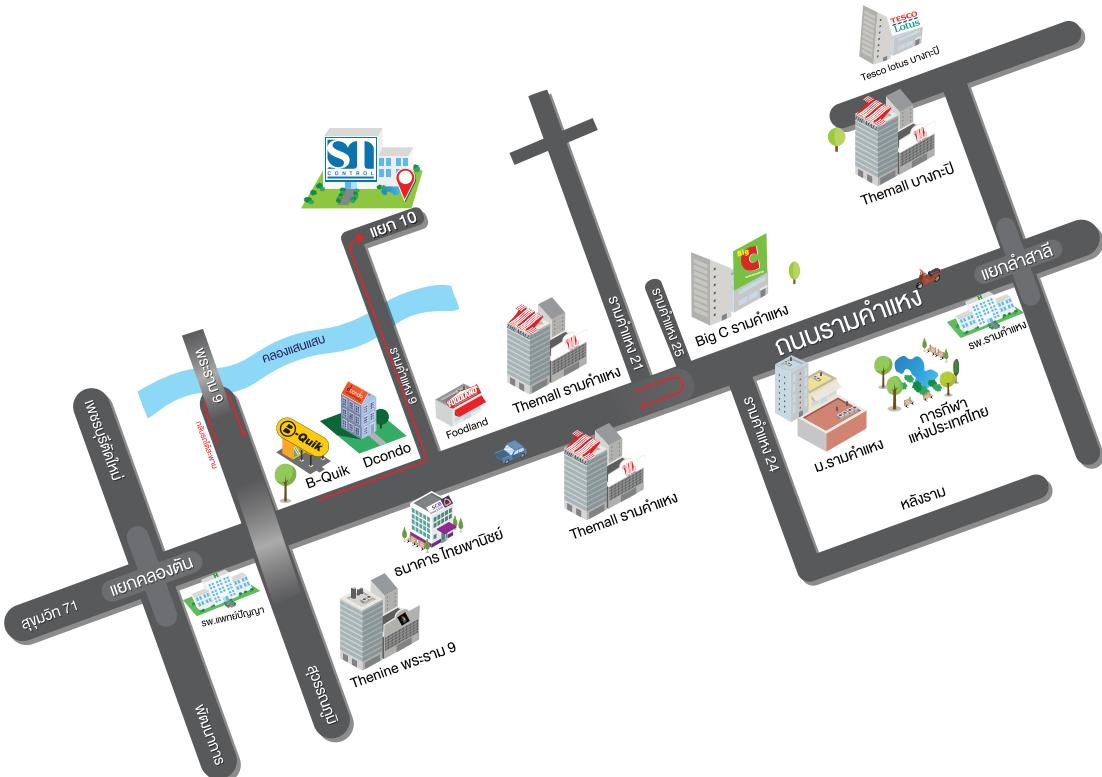
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