

**TC** **ELECTRIC**  
**CONTROLS**

ENERGIZING YOUR WORLD



IEC Contactors ? Overloads ? Starters  
Circuit Breakers ? Control & Signaling Devices

# IEC CONTACTORS AND OVERLOADS



## Industrial Applications

Motor Controls	HVAC
Pumps	Cranes
Machine Tools	Elevators & Escalators
Printing & Packaging Machines	Windmills
Compressors	Solar Systems
Power Supply Solutions	

## Robusta IEC Contactors

Rating: 9A - 1600A

Poles: 3 & 4 Pole, control relays

Complete & harmonized 3 & 4 Pole Contactor range

☑ 3P Contactor AC3 rating 9-95A, 4 frame sizes, AC/DC

☑ 3P Contactor AC3 rating 115-800A, 8 frame sizes, AC/DC

☑ 4P Contactor AC1 rating 25-125A, 4 frame sizes, AC/DC

☑ 4P Contactor AC1 rating 200-1600A, 8 frame sizes, AC/DC

Compact Modular design for flexibility

Safety First – Power and control terminals are IP20 finger proof

Saves inventory cost ☑ Common Add-On accessories

Energy saving magnet coils in both AC & DC variants

## Thermal Overload Relays

Rating: 0.1A~ 1000A

Features

- ☑ Built-in single phase protection
- Relay tripping indicator flag
- ☑ 1 NO and 1 NC contacts
- ☑ Auto / Manual reset
- IP 20 finger touch proof

# MANUAL MOTOR CONTROLLERS & STARTERS



## Industrial Applications

Industrial Applications	Fans
Motor Disconnect Switch	Conveyors
Heater Control	Blowers
Lighting	Packaging
Elevator Applications	Compressors
Power Saws	Production Equipment
Pumps	

## Motor Starters

3 Pole, Reversing & Non-Reversing

NEMA type up to 60 HP / 600V

IEC Direct-On-Line up to 18.5 KW (24 HP) / 600V

Steel/Plastic Enclosures

Push Button and Pilot Light accessories

## Manual Motor Controllers

Motor Starting ☑ up to 60 HP / 600V

General use rating 16A to 125A / 600V

Comprehensive range of accessories includes Door

Mounting Kits/Snap-on Auxiliary Contacts

Choice of external handles / shafts

Conforms to IEC 60947-3 as Switch Disconnect; UL 508 as Motor Controller and CSA

# CONTROL AND SIGNALING DEVICES



## Industrial Applications

Control Stations	Pendant Stations
E-Stop Stations	Hoists
Door Controls	Cranes
Lighting Controls	Fans
Conveyors	Material Handling Equipment
Heaters	

## Control and Signaling Devices

22.5mm; push buttons, emergency stop, selector switch, illuminated & non-illuminated actuators in metal & plastic

10 Amp Contact block rating

Up to 6 Contact block can be used

Pilot lamps – LED / filament / neon variants

Range: 1, 2, 3 & 4 way; IP-65 box with different combination of push buttons/selectors: ingress protection IP65/66; NEMA 4/4X

Control Stations in aluminum die cast / plastic boxes

Conforms to IEC 60947-5-1; IEC 337-1; UL 508 and CSA C-22-2 n<sup>o</sup>14

# CIRCUIT BREAKERS



## Industrial Applications

Motor Protection	Appliances
Transformer Protection	Lighting Circuits
Industrial Control Panels	Relays / Contactor Circuits
HVAC Panels	PLC I/O Circuits
IT Networks	

## WiNtrip Miniature Circuit Breakers

Thermal Magnetic Technology

Range: 0.5A - 40A current ratings

Types B & C tripping characteristics

Ability to disconnect short circuits up to 10kA.

1P, 1P+N, 2P, 3P, 3P+N & 4P configurations

Standards Conformity: UL 1077 and IS/IEC 60898-1 :2002

Accessories: Auxiliary Contacts & Shunt Trip

Low power consumption, IP20 Protection

## Motor Protection Circuit Breakers

Motor, Overload, Short-circuit & Transformer Protection

1 Phase / 3 Phase Protection from 0.1 A to 32 A range

Standards Conformity: UL 60947, IEC 60947 and IEC 60204

IP20 Protection

Wide range of accessories

Enclosures are available



## ABOUT US

TC Electric Controls LLC is a US based privately held joint venture with a world class manufacturer of Industrial controls, designed and built for the HVAC, Commercial, Industrial and OEM markets. Our product scope includes, but is not limited to IEC Contactors & Overloads, Manual Motor Controllers & Starters, Control & Signaling Devices and Circuit Breakers.

Our Corporate Headquarters is in Schaumburg, Illinois with warehousing locations in Melbourne Florida, Rockford Illinois and Phoenix Arizona. Our partner has over 50 years history in the electrical industry, including 17 World Class Manufacturing Facilities that are ISO-9001 / ISO-14000 certified at premier locations in India, China and Belgium. We have over 2 million square-feet of manufacturing facilities, and four Government Accredited R&D centers including a UL Certified Test Lab.

Our vertically integrated manufacturing facilities assure strict quality control and flexibility to adapt to customer needs. TC Electric Controls can enhance your position through industry leading designs, quality, manufacturing and competitiveness.



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