

PRODUCTS AND SOLUTIONS FOR PUMPING, IRRIGATION AND PIPING



ENERGY AND AUTOMATION

TRADITIONS AND INNOVATION

Since 1922 |

The first LOVATO Electric headquarter founded in Bergamo in 1922: the starting point of the grand industrial adventure.

Italian design |

Highly-qualified design, technical and research staff fully develop and design innovative and reliable products in the Bergamo offices, using state-of-the-art software.

Most advanced manufacturing facilities |

LOVATO Electric manufactures its products with cutting-edge technology.

Quality and certifications |

LOVATO Electric products comply with the major international quality standard requirements.



Customer care service |

The Customer Service team offers prompt and professional assistance for products and applications.



International presence in over 100 countries |

13 foreign branches and widespread official sales affiliates assure product assistance and availability in over 100 countries worldwide.

- United Kingdom
LOVATO ELECTRIC LTD
www.Lovato.co.uk
- Russia
OOO LOVATO ELECTRIC
www.LovatoElectric.ru
- Germany
LOVATO ELECTRIC GmbH
www.LovatoElectric.de
- Turkey
LOVATO ELEKTRİK LTD
www.LovatoElectric.com.tr
- France
LOVATO ELECTRIC SAS
www.LovatoElectric.fr
- USA
LOVATO ELECTRIC Inc.
www.LovatoUsa.com
- Spain
LOVATO ELECTRIC S.L.U.
www.LovatoElectric.es
- Canada
LOVATO ELECTRIC Corp.
www.Lovato.ca
- Poland
LOVATO ELECTRIC SP. Z O.O.
www.LovatoElectric.pl
- United Arab Emirates
LOVATO ELECTRIC ME FZE
www.LovatoElectric.ae
- Czech Republic
LOVATO ELECTRIC S.R.O.
www.LovatoElectric.cz
- China
LOVATO ELECTRIC (SHANGHAI) CO LTD
www.LovatoElectric.cn
- Romania
LOVATO ELECTRIC SRL
www.LovatoElectric.ro



PRODUCTS AND
SOLUTIONS
FOR PUMPING,
IRRIGATION
AND PIPING



 **Lovato**
electric

ENERGY AND AUTOMATION



MOTOR PROTECTION CIRCUIT BREAKERS

- Wide adjustment range 0.1 to 100A
- Breaking capacity Icu 50kA (400V) up to 100A
- Suitable for isolation
- Comprehensive line of accessories.



CONTACTORS

- Three-pole versions up to 630A in AC3 duty
- Four-pole versions up to 1600A in AC1 duty
- Four-pole versions with 2NO+2NC or 4NC
- AC or DC control versions
- Low consumption DC versions.



MOTOR PROTECTION RELAYS

- Thermal overload relays for current between 0.09 and 420A
- Phase failure sensitive and non phase failure sensitive versions
- Automatic and/or manual resetting
- Independent or direct mounting on contactor
- Thermistor protection relay.



ELECTROMECHANICAL STARTERS AND ENCLOSURES

- Direct-on-line starters in non-metallic enclosure complete with or without thermal relay
- Reversing and changeover contactor assemblies
- Star-delta starters, open frame and in non-metallic enclosure versions
- Non-metallic enclosures for customer-assembled starters.



SOFT STARTERS

- 12A to 1200A soft starter ratings for standard and severe duty types
- Internal bypass contactor up to 320A rating
- Startup with torque control, voltage ramp or current limit
- Integrated total motor protection
- Clock calendar
- RS232 and RS485 for monitoring and remote control
- Modbus®-RTU and proprietary ASCII communication protocols.



VARIABLE SPEED DRIVES

- Versions for single-phase up to 2.2kW (230V) and three-phase (400V) up to 75kW
- Special function for pump and fan control using PID algorithm
- EMC suppressor built-in all versions
- Selectable motor control mode: V/f, vector, energy saving
- Selectable digital and analog input and output functions.



PUSHBUTTONS AND SELECTOR SWITCHES

Ø22mm pushbuttons and selectors

- Metal and plastic, quick installation by simple rotation.

E-stops and pilot lights

- Metal and plastic, quick installation by simple rotation.



SIGNAL TOWERS AND BEACONS

- Ø45mm signal towers
- Ø70mm multicoloured signal towers
- Ø70mm signal towers
- Ø62mm signal beacons.



SWITCH DISCONNECTORS

- 16A to 1600A ratings
- Three and four pole types and with fuse holder
- Versions: direct operating, door coupling and in housing
- Wide range of accessories
- Interlocking fuse holder up to 32A.





FUSE HOLDERS

- Modular concept for 10x38, 14x51 and 22x58 fuse sizes
- IP20 protection degree, finger safe and sealable cover to increase user's safety
- Version with status indicator to quickly identify the fuse to replace
- UL and CSA certified versions.



MINIATURE AND RESIDUAL CIRCUIT BREAKERS

- UL 1077 and UL 489 certified versions
- High breaking capacity
- Various trip characteristic curves: Type B, C or D
- Wide 1...125A current range
- Residuals with trip characteristic curves type A, AC and B.



TIME RELAYS

- Modular version for consumer switchboards
- 35mm DIN rail mount version
- Plug-in and flush mount versions
- Vast range of functions and time scales
- Reliable time and repeat accuracy.



PROTECTION RELAYS

- Modular versions, also for 35mm DIN rail fixing
- Minimum and maximum voltage monitoring relays for single and three phase systems, with or without neutral
- Voltage monitoring relays for asymmetry, phase loss and phase sequence control
- Minimum and maximum current monitoring relays
- Frequency monitoring relays
- Phase shift control relays.



LEVEL CONTROLS

- Level monitoring for electrically conductive liquids
- Modular and plug-in versions
- Adjustable 2.5...200kΩ sensitivity
- Single and three-pole probes
- Float switches
- Start-up priority change relays.



MICRO PLCs

- 10, 12 and 20 Input/Output base modules
- Expansion modules with 4 Inputs and 4 Outputs
- Maximum configuration: 44 Inputs/Outputs
- RS232 port for PC or program backup memory connection
- HMI terminal.



METERING INSTRUMENTS AND CTs

- Digital voltmeters, ammeters, wattmeters, frequency meters and cosphi meters
- Digital expandable multimeters with graphic LCD
- Totally programmable digital outputs
- RS485, RS232, USB, Ethernet communication interface for remote control and data logging.

Current transformers (secondary current: 5A)

- Primary current: 50...4000A
- Solid and split core versions.



AUTOMATIC BATTERY CHARGERS

- Switching and linear technology
- 1 charging level
- Versions for non-sealed and sealed lead-acid batteries, 1.25 to 12A ratings.



CONTROL UNITS FOR FIRE FIGHTING PUMPS

- Monitoring and control of diesel engine fire pump and electric fire pump in sprinkler systems compliant with UNI EN 12845
- Graphic LCD display with pop-up windows for alarms notification with texts in 5 languages
- Advanced functions for maintaining the fire protection system performance
- Integrated temperature sensor
- Built-in RS485 communication
- Setup via NFC APP or Wi-Fi.



ENERGY AND AUTOMATION

www.LovatoElectric.com

LOVATO ELECTRIC S.P. A.

via Don E. Mazza, 12
24020 Gorle (Bergamo), ITALY

tel 035 4282111
info@LovatoElectric.com

Seguici su



The products described in this publication are subject to be revised or improved at any moment. Catalogue descriptions and details, such as technical and operational data, drawings, diagrams and instructions, etc., do not have any contractual value. In addition, products should be installed and used by qualified personnel and in compliance with the regulations in force for electrical systems in order to avoid damages and safety hazards.