Documents corresponding to the product:
Standard EN 60947-1
EN 60 947-2; EN 60947-4-1
The products are in accordance with the directives of EC "Low voltage directives (LVD) no 73/23 EEC" and "Electromagnetic Compatibility Directives (EMC) no. 89/336 EEC".

Documents corresponding to the product:
Standard EN 60529

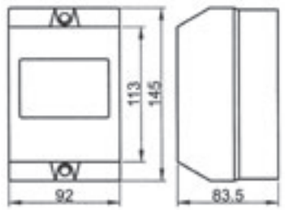
For increasing the effectiveness of the thermomagnetic breakers TM 2-Exx operation, they can be supplied with auxiliary devices, designed for widening the practice range and improving the technical characteristics of the breakers.

Voltage release (VR) for TM 2
The release is designed to switch off the thermomagnetic breaker when the controlling voltage falls under breaking level 0.55 to 0.7 UN and does not allow switching on of the breaker unless the voltage is over 0.85 Un.
Functions:
- switching off the breaker at power supply voltage fall under 0.55 – 0.7 Un
- does not allow switching on of the breaker when the power supply voltage is under 0.85 Un
- prevents unwarranted secondary start of the breaker at falling off and restoring of the power supply voltage
- protects the motor at lack/lowering of the phase voltage
- used as a protective operating element in control panels of induction motors
- remarkable with high reliability of current characteristics

Mounting:
* laterally to a breaker
* At the side of the breaker through special openings

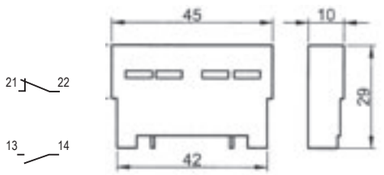
Type	Voltage (V)	Catalogue number
TM2 AU225	230	48099
TM3 AU385	400	48098

Watertight box for TM 2-E
Specially designed plastic box with silicon screen for increasing the IP code from dust and moisture to IP 65. Designed for thermal-magnetic circuit breakers of up to 32A
* Mounting:
- mounting position: vertical gradient – maximum± 5°
- mounted to horizontal surfaces (walls) with bolts
- the breaker TM2 Exx is fixed inside of it on rail
* Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)



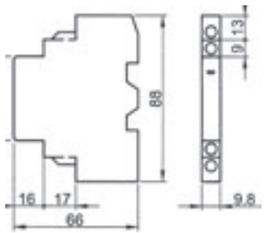
Type	Catalogue number
TM2 E	8083

Auxiliary contact block TM2 AE11
It is designed to switch on operational systems or signalization. Designed with one NO and one NC contact. It changes the position of its contacts according to the position of the breaker (switched on/off) to which it is mounted.
* Mounting:
- laterally to a breaker TM2-Exx
* Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
* Ambient temperature: -10°C + 60°C
* Altitude: up to 2000m

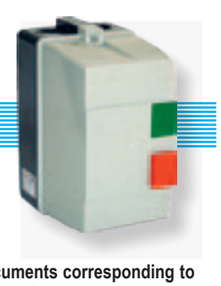


Type	Catalogue number
TM2 AE11	48912

Auxiliary contact block TM2 AN11
It is designed to switch on operational circuits or signalization. It is designed with one NO and one NC contact. It changes the position of its contacts according to the position of the breaker (switched on/off) to which it is mounted.
* Mounting:
- laterally to a breaker TM2-Exx
- more than 5 auxiliary contact blocks can be mounted
* Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
* Ambient temperature: -10°C + 60°C
* Altitude: up to 2000m



Type	Catalogue number
TM2 AN11	48911
TM3 AN11	48913



Documents corresponding to the product:
Standard EN 60947-1
EN 60947-4-1
The products are in accordance with the directives of EC "Low voltage directives (LVD) no 73/23 EEC" and "Electromagnetic Compatibility Directives (EMC) no. 89/336 EEC".

The electromagnetic starters LT 5 Dxx series are devices designed for remote control, direct control and protection of induction motors or other electrical consumers. They are a combination of contactors LT 1 Dxx series and thermal protection LT 2 Exx fabric cabled. The starters are offered on the market in metal or plastic boxes with the corresponding IP code from dust and moisture. At mounting there should be provided protection of the device from short circuit through breakers or disconnectors. If necessary, at client's order the fabric mounted thermal protection in the pneumatic starter can be substituted. The choice of a suitable protection prevents motor's operation at unusual temperature conditions and guarantees maximum constant operation, increases the effectiveness and prolongs the term of exploitation.
Functions:
- switching on/off alternating current consumers
- does not allow secondary unwarranted switching on of the starter at transitory lowering of the voltage
- protects the motor from overload in the range of the corresponding thermal protection
- remarkable with high reliability of current characteristics

Technical data:
* Rated voltage of the controlling voltage: 230/400V AC; 50/60 Hz
Note: In case you need different controlling coils voltage of the starters you can turn to our regional representatives.
* Rated operating voltage: 690V
* Rated operating current range: from 7 to 93 A AC
* insulation voltage: 690V
* Surge voltage wear resistance:≥6000V
* Joining terminal: screw terminal
* Little power consumption and small dimensions
* Connecting:
- flexible or rigid conductors with or without cable terminal for joining to the consumer and section according to the motor power
- two by two inlets/outlets supplied with orifices for the cables
* Possibility for range adjustment of the protection activating
* IP code: IP 44
* Possibility for operation at higher frequency
* Mounting:
- mounting to a flat surface (wall) with bolts/screws
- mounting position: vertical gradient – maximum± 5°
* Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
* Metal corpus: corrosion-proof coating
* Ambient temperature: -10°C + 60°C
* Altitude: up to 2000m