

D.C. Motor Reverser COMBI type TLD18

Main Features

The COMBI type TLD18A (two single pole contactors with 1 NO 1 NC) and TLD18B (two single pole contactors with 1 NO) include internal electric connections.

The result is a compact product completely protected from oil, water and dust.

Standard duty is in intermittent mode (50 %) with a maximum working time of 15 minutes (temporary service).

The NC contacts are not suitable for making or breaking current.

Performances: see corresponding models TL11 on page 4.

The TLD18 COMBI motor reverser is suitable with 50 % intermittent coil.



Correct use of the motor reverser

The used contactors have fast drop-out times (10 msec) and relatively long pull-in times (approx. 20 msec).

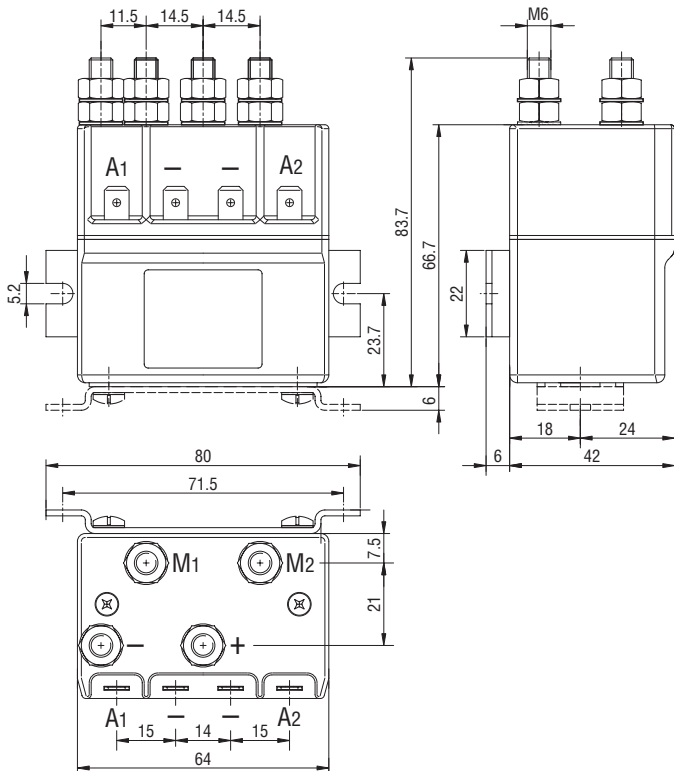
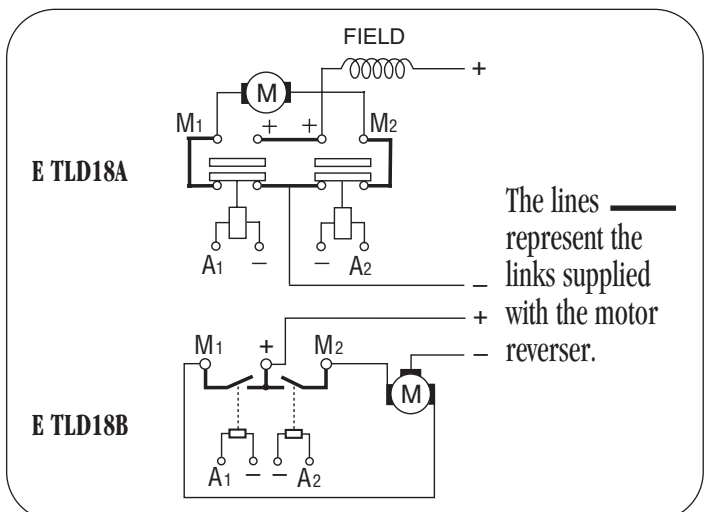
In this way, safe reversals can be carried out without the risk of the contacts being closed at the same time.

The use of suppressor diodes, however, increases drop-out times, and therefore it is important to choose the most suitable type of suppressor (diode+resistor).

Types and Codes

Tipi	Codice
TLD18A 2x1NO 1 NC 4 poles 50% coil	ETLD18A
TLD18B 2x1NO 3 poles 50% coil	ETLD18B

Diagrams of functioning



For Your own Safety

The range of LOGO series type TL 10 comply with the current safety rules, and in particular:

- 89/392 EEC Machine Directive
- 73/23 EEC Low Voltage Directive
- 2004/108/CE EMC Directive
- 2002/95/CE RoHS
- EN 1175-1 Safety of industrial trucks
- EN 60947-4-1 Low voltage switch gear and control gear
- EN 60204-1 Safety of machinery - electrical equipment of machines
- EN 61000-6-4 EMC Emission
- EN 61000-6-2 EMC Immunity
- UL 583 Electric battery powered industrial trucks

Guaranteed Quality Product

The range of LOGO series contactors type TL 10 is guaranteed by our EC Certificate of Conformity, available upon request, in which it is declared that such product was created by RAVIOLI in accordance to defined and recognised Safety Regulations, and in compliance with the Quality standards stated in our ISO 9001:2000 Quality System Certificate.

The Range



Consult our catalogues
N° 7 - 7.1 - 7.2 - 7.3



Installation and cabling instructions

The LOGO TL 10 contactors must be installed by a qualified staff, according to current safety law . Electrical current must be switched off before wiring.

For better loss of heat use proof cables according to the usage current.

Assure that the terminal power cables are locked with nut at max clamps torque of 4 Nm.

The assembling can be made by screws (max depth 7 mm.) or by the optional bracket.

Recommended working positions : either horizontal or vertical with poles set upwards.

Operating Temperature -25°C+40°C

RAVIOLI declines any responsibility for damage deriving from incorrect installation or improper use of the product.