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W50-T-P-DE DC CONTACTOR

DC contactor for electrical winch | Intermittent duty | Closed waterproof structure

50 A continuous	250 A intermittent	6-80 V DC contact circuit	12 V / 24 V DC coil options



W50-T-P-DE

Designed for switching high-current DC loads in 12 V and 24 V battery-powered winch systems. Typical applications include recovery and towing trucks, off-road and utility vehicles, construction and agricultural service vehicles, and other mobile equipment using intermittently operated electric winches. The double-coil configuration and closed waterproof structure suit exposed vehicle installations. Use only within the stated contact-circuit ratings and duty cycle.

TECHNICAL DATA

Model	W50-T-P-DE
Coil voltage options	12 V / 24 V DC
Coil power	25-27 W
Main rated load current	50 A continuous; 250 A intermittent
Rated contact-circuit voltage	6-80 V DC
Dielectric strength	1,000 V AC, 50 Hz, 1 min
Contact voltage drop	Not above 80 mV at rated current
Operating time	Pickup (contacts make): <= 30 ms; release (contacts break): <= 30 ms
Operating characteristic	Pickup: >= 66% Us; release: >= 30% Us and <= 5% Us
Mechanical life	100,000 operations
Electrical life	20,000 continuous-duty operations; 2,000 intermittent-duty operations

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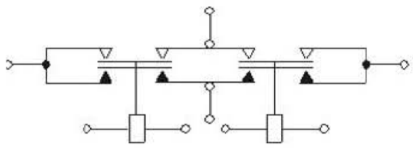
W50-T-P-DE - CONFIGURATION AND DIMENSIONS

Model designation, circuit diagram and mounting dimensions

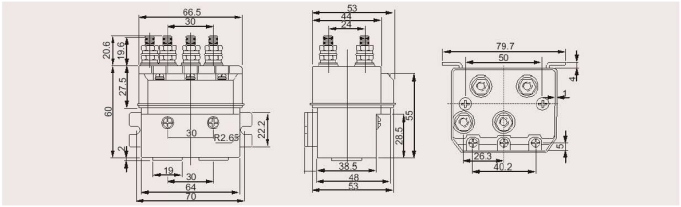
MODEL DESIGNATION

50	Rated current
T	Rated voltage designation
P	Double coil
DE	Closed waterproof structure
M	Horizontally mounted

CIRCUIT DIAGRAM



MOUNTING DIMENSIONS



Dimensions are in millimetres. Refer to the drawing for individual mounting and terminal dimensions.