C | Logline

METZ CONNECT
We realize ideas

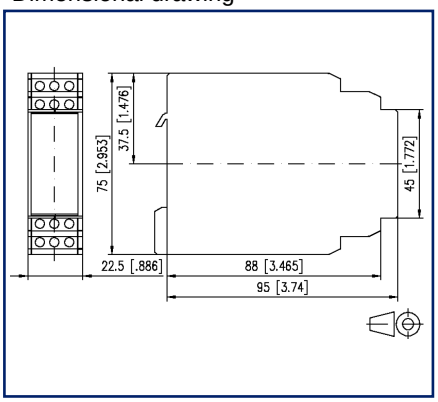
Data sheet

LTRk-E12, 24 V AC/DC

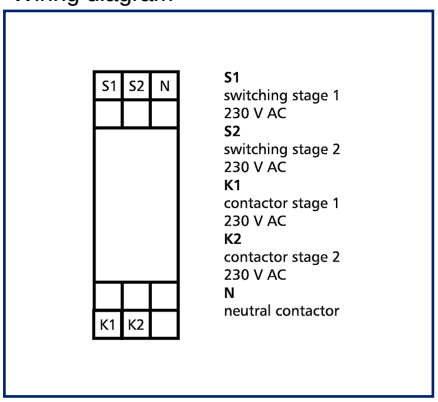
P/N 11028313
EAN 4250184121060
2023/06/20
Version: B

Illustrations

Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

The fan timer relay was designed especially for controlling two-level motors. Response and switch-off delay can be adjusted separately and infinitely. A two-level switch is used for activation. The motor contactors are activated by two mutually blocking outputs. Mode of operation:

- 1. If you directly select level 2, level 1 is first activated for the adjusted start-up time so that the fan can accelerate to nominal speed. Then level 2 is activated.
- 2. When switching from level 2 back to level 1 or switching off, a switch-off delay is activated allowing the fan to run down before level 1 is activated.
- 3. If level 1 has been activated for minimum the adjusted start-up time, it is immediately switched to level 2. When switching from level 1 to 2, the interruption may be max. 250 ms. If this time is exceeded, the procedure is as described under point 1.

Data sheet
LTRk-E12, 24 V AC/DC

P/N
11028313
EAN 4250184121060
2023/06/20
Version: B

Technical Data

Supply	
Operating voltage	24 V AC/DC -10% ... +10%
Frequency range	50 ... 60 Hz
Duty cycle relative	100 %
Recovery time	20 ms
Outputs	
Contact material	$AgSnO_2$
Switching voltage (max.)	corresponds to operating voltage
Continuous Current	6 A
Pick-up delay	adjustable up to 30 s
Switch-off delay	adjustable up to 60 s
Electrical life	$2x10^5$ switching cycles
Indicator	green LED
Insulation coil - contact set	
Nominal voltage of the power supply system	230 / 400 V AC
Overvoltage category	III | II
Degree of pollution	2 | 2
Rated test voltage	4 kV | 2.5 kV
Type of insulation	basic insulation | reinforced insulation
Housing	
Dimensions	
Dimension (W x H x D)	22.5 mm x 75 mm x 95 mm
Dimension (W x H x D)	0.886 in. x 2.953 in. x 3.74 in.
Weight	150 g
Mounting style	Standard rail TH35
Mounting position	any
Apposition	without distance
Connection type	Screw type terminal blocks
Material	
Material - Housing	Polyamid 6.6 V0
Color	gray
Material - Terminal block	Polyamid 6.6 V0
Material - Covers	Polyamid 6.6 V0

Data sheet
LTRk-E12, 24 V AC/DC

P/N 11028313
EAN 4250184121060
2023/06/20
Version: B

Technical Data

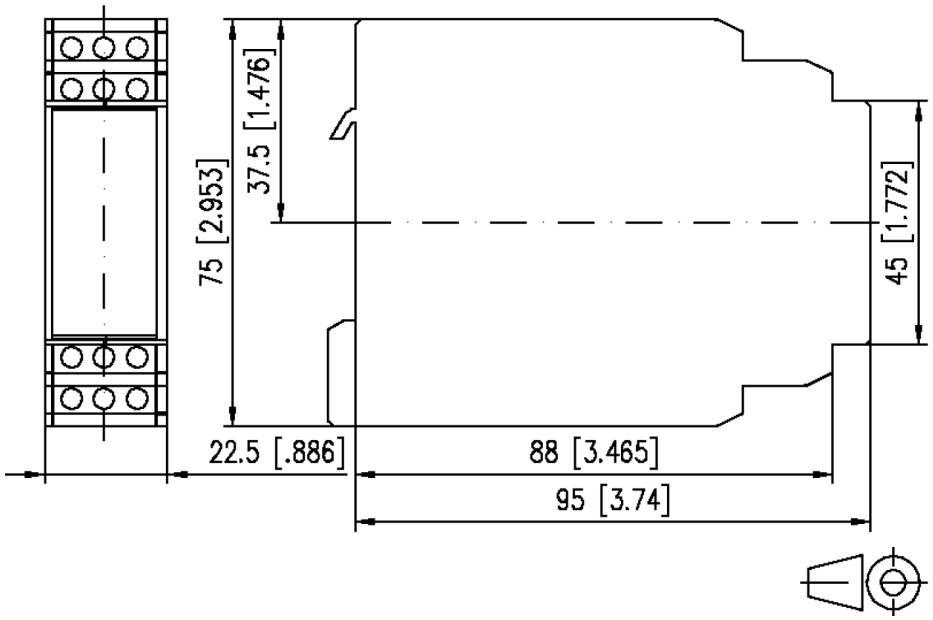
Protection category according to IEC 60529	
Protection category - housing (acc. to IEC 60529)	IP40
Protection category - terminal blocks (acc. to IEC 60529)	IP20
Temperature range	
Operating	
Temperature - Operating °C	-5 °C - 55 °C
Temperature - Operating °F	23 °F - 131 °F
Storage	
Temperature - Storage °C	-20 °C - 70 °C
Temperature - Storage °F	-4 °F - 158 °F
Classifications	
ETIM 7.0	EC001439
ETIM 8.0	EC001439
ETIM 9.0	EC001439

Data sheet
LTRk-E12, 24 V AC/DC

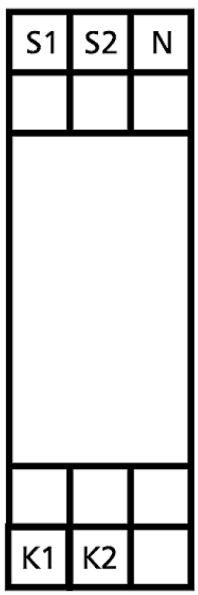
P/N
11028313
EAN 4250184121060
2023/06/20
Version: B

Illustrations

Dimensional drawing



Wiring diagram



S1
switching stage 1
230 V AC
S2
switching stage 2
230 V AC
K1
contactor stage 1
230 V AC
K2
contactor stage 2
230 V AC
N
neutral contactor

Data sheet
LTRk-E12, 24 V AC/DC

P/N
11028313
EAN 4250184121060
2023/06/20
Version: B

Illustrations

Circuit diagram