Order Number: ILLZTC12

Order number	Description	max. power fanmotor	max. current fanmotor
ILLZTC12	Fan control 12V DC	310 W	21 A

Working principle:
- Soft start and temperature-sensitive fan speed control
- Maximum starting current is appr. 10% higher than nominal current of the fan motor
- Fan speed is regulated depending on the oil temperature by means of a temperature sensor (accessories)
- Overload and inverse polarity protection on supply
- Temporarily delayed fan activation for self-protection

Measurement input
- Optional temperature sensor (control range 45-55°C (113-131°F), order no. ILLZTT5067)
- or temperature switch (set point 47°C (117°F), order no. ILLZTH4767)
- Connection: plug connection DT 04-2 (make Deutsch)

Ambient conditiones
- Ambient temperature range:-20 to +70°C (-4°F to +158°F)
- Storage temperature range: -60 to +110°C (-76°F to + 230°F)

Relay output
- Max. current fan motor: 21A / 14,7V DC
- Connection: plug connection Metripack 280 (make Delphi)

Supply
- 12V DC (9V-15V)
- Please note:
Observe the maximum allowable voltage supply of the fan motor. The allowed voltage range of the fan might differ from the allowed voltage range of the temperature control.
- Inverse polarity protection (in case of inverse polarity of supply, ILLZTC12 is deactivated. After changing the polarity control is ready for use.)
- Overload protection (if supply voltage exceeds 16,5V, the control is switched off to protect the fan. After supply voltage is falling under 12V, control is activated again automatically)
- Closed current: 5mA
- recommended fuse: 25A fast acting

Please note:
- Due the high current (up to 21A), observe adequate electrical connection. (In case of using a block terminal, it has to be tighten strong enough)

Housing
- Material: polyamide
- Protection: IP 67
- Any mounting position
- weight: 0,32kg (0.7lbs)

Accessories
- temperature sensor ILLZTT5067
- temperature switch ILLZTH4767

DRAWING:

41

100

54 47.5

Ø 2.6

2x 0,5 - 200 lang
weiß / weiß
2x 0,5 - 200 lenght
white / white

2x 1,5 - 200 lang
rot / blau
2x 1,5 - 200 lenght
red / blue

DELPHI
METRI PACK 280
2-pol
Steckerbelegung:
connector proving:
A = + B = -

DEUTSCH
DT 04-2

2x Aderendhülsen
(isoliert)
2x core end sleeves
(insulated)

2x 1,5 - 2500 lang
rot / blau
2x 1,5 - 2500 lenght
red / blue