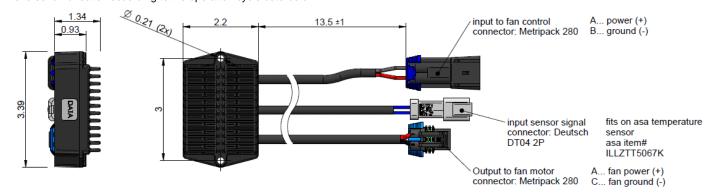
Temperature Control

12V/24V DC, for reversible fan drive

This system consists of a temperature sensor (ILLZTT5067K – not in scope of delivery) and a control unit (ILLZTCB00 - suitable for 12V and 24V). The fan speed varies according to the actual oil temperature on the sensor. This reduces the noise level of the cooler system and increases the durability of the fan motor, because it is not running on the maximum speed all the time. The start up temperature of this system is 104°F and the maximum rotation of the fan is applied when the oil temperature reaches 140°F. This system is programmed to reverse fan direction according to the operation cycle data below.



- energy saving
- · reversible fan drive
- 12V and 24V supply



Technical Data

order number	description	rated power supply	max. operating current	protection	weight
		[V]	[A]		[lbs]
ILLZTCB00	temperature control DC reversible	7-40	30	IP 67	0.64

Operating fan cycle

Temperature setup: the fan starts at 104°F and reaches maximum speed at 140°F.

- a) thermal switch = ON
- b) delay = 30 seconds
- c) 20 seconds for accelerations in reverse direction
- d) fan reversal = 30 seconds (maximum speed)
- e) 20 seconds for deceleration
- f) delay = 10 seconds
- g) 20 seconds for acceleration in normal direction
- h) fan (forward) = 45 minutes (fan speed depending on oil temperature)
- i) 20 seconds for deceleration
- j) delay= 15 seconds
- k) repeat steps c-j

Characteristics

rated power 25A intermediate operation

20A without air velocity over surface of fan control

product is labeled with date of production (month/year)

Product was successfully tested with 20G on all 3 axles with 6 cycles for each axle.

The electronic is self protected against accidental block of the electric fan.

It is necessary to have a fuse (for each single electric fan). The fuse value must be suitable for the input current of the used electric fan.

internal protection against reverse polarity

internal protection against load dump

life time: over 200.000 cycles

standby current 150mA with fan not running

Ambient Conditions

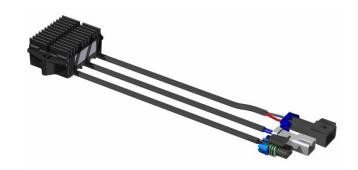
oil temperature range: -4°F to +185°F
ambient temperature range: -40°F to +203°F

System

addictional required parts: temperature sensor ILLZTT5067K

Compatibility

all asa DC fan units with Metri Pack 280 connection system



This data sheet shows a technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually. The information in this data sheet is intended to be used as a first general guideline only, sea assumens on liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting herefrom. The cooling performance and the general technical values indicated in this catalogue are measured at a test bench according to assa testing procedure. Because there is no standardized testing procedure, tests used by other manufacturers could have different results. Due to different conditions in testing and application environments the cooling performance may also vary by +/- 15%. Therefore we recommend all coolers to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors.