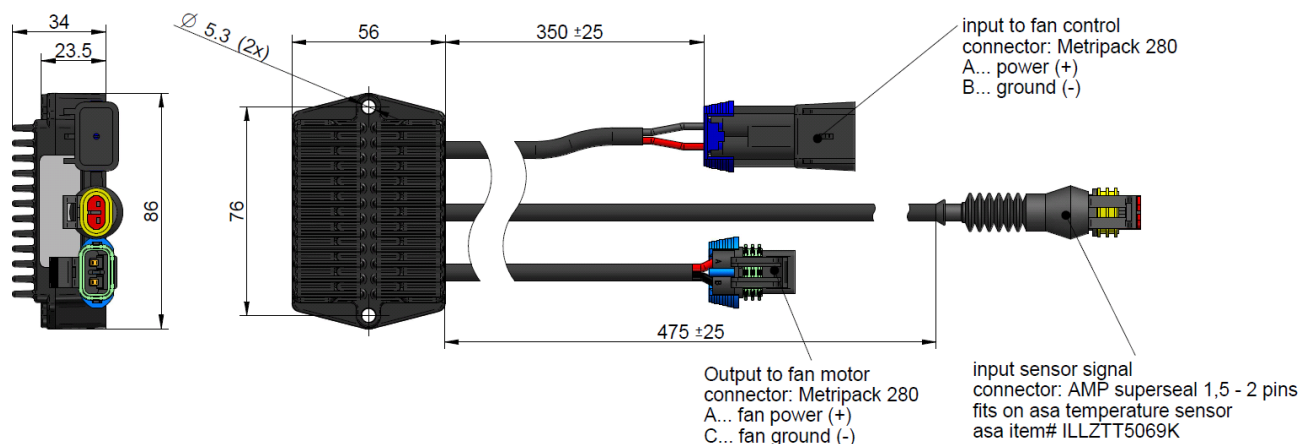


Temperature Control

12V/24V DC, for reversible fan drive

This system consists of a temperature sensor (ILLZTT5069K – 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 40°C and the maximum rotation of the fan is applied when the oil temperature reaches 60°C. 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
ILLZTCB00	temperature control DC reversible	[V] 7-40	[A] 30	IP 67	[kg] 0.29

Operating fan cycle

Temperature setup: the fan starts at 40°C and reaches maximum speed at 60°C.

- thermal switch = ON
- delay = 30 seconds
- 20 seconds for accelerations in reverse direction
- fan reversal = 30 seconds (maximum speed)
- 20 seconds for deceleration
- delay = 10 seconds
- 20 seconds for acceleration in normal direction
- fan (forward) = 45 minutes (fan speed depending on oil temperature)
- 20 seconds for deceleration
- delay= 15 seconds
- 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: -20°C to +85°C
- ambient temperature range: -40°C to +95°C

System (additional required parts)

- temperature sensor kit, 1pc per cooler required.
- order number: ILLZTT5069K

Compatibility

- all asa DC fan units with Metri Pack 280 connection system

