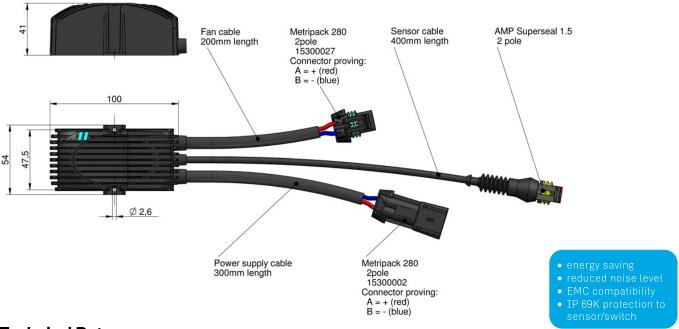
Accessories temperature control



This system consists of a temperature sensor (ILLZTT5069K) and a control unit (12V or 24V available). 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 44°C and the maximum rotation of the fan is applied when the oil temperature reaches 55°C. The electro-magnetic compatibility (EMC) is tested according to CE (89/336/EC) and E (95/54/EC). Moreover the control unit (ILLZTC12-2K and ILLZTC24-2K) can also be connected with our temperature switches (IP69K switch type). This is a simple on/off mode, according to the switch temperature. The control unit benefit is the soft start curve, extending the life time of the fan motor.



Technical Data

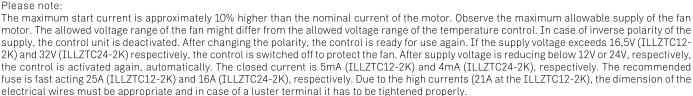
order number	description	max. power fan motor	max. current fan	protection	weight	supply
		[W]	[A]		[kg]	DC
ILLZTC12-2K	temperature control 12V DC	310	21 (14,7V DC)	IP 67	0,25	12V (9V - 15V)
TLL7TC24-2K	temperature control 24V DC	340	12 (24V DC)	TP 67	0.25	24V (18V - 32V)

Characteristics

	material:	polyamide	•
	mounting instructions	any mounting position	-
Measu	rement input		
	temperature sensor	ILLZTT5069K (control range 44-55°C) page 38	
	temperature switch	ILLZTH5069K (set point 50°C, soft start)page 39	A STATE OF THE PARTY OF THE PAR
		ILLZTH6069K (set point 60°C, soft start)page 39	
		ILLZTH9069K (set point 90°C, soft start)page 39	
Ambie	nt Conditions		
	ambient temperature range	-20°C to +85°C	•
	storage temperature range	-60°C to +110°C	-
Combir	nations		-



12V and 24V DC coolers



LL 03L, LL 04, LL 06, LL08 / TT 05 - 36 rail/ ASA 0177 - 0367, !except TT21 h.p. version!

This data sheet and the corresponding scale drawings are to be used as a general guideline and technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products Inis data sheet and the corresponding scale drawings are to be used as a general guideline and technical overview of our products. Please contact us it 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 incorpose continually, as a assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. Any cooling performances and general technical values indicated in this catalogue are measured at a test bench according to asa testing procedures or calculated, based on such tests. Due to different conditions in testing and application environments the performance may also vary by +/ 15%. Because there is no standardized testing procedure, tests used by other manufacturers could have different results. Therefore we recommend all products to be checked under the system operating conditions. This is also true for vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors. General tolerances according to DIN ISO 2768-VL. General tolerances for casted parts according EN ISO 8062-3 (DCTG 10). Tolerances for rubber parts are according to ISO 3302-1 (class M4-F+c). The tolerances of welding seams are defined by quality group D according to EN ISO 10042, if it is not specified on the actual scale drawing or sheet. In addition to that we point out that any data sheet and corresponding scale drawing is no substitution for the manual.

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