

Thermal overload relay BR63

TECHNICAL DATA

		Symbol	Unit	BR63	
GENERAL	Type			BR63	
	Standards			IEC 60947-4-1, IEC 60947-5-1, UL508	
	Approvals			CE, UL	
	For use with			KNL43, KNL43UL, KNL63, KNL63UL, KNL75	
	Degree of protection			IP20	
	Ambient temperature operating		°C	-5 ... +55	
	storage			-25 ... +70	
	Dimensions (WxHxD)		mm	65 x 85.5 x 97.5	
	Operating position			vertical	
	Reset type			auto, manual	
MAIN CIRCUIT	Weight		g	350	
	Rated insulation voltage	U_i	V	690	
	Rated impulse withstand voltage	U_{imp}	kV	6	
	Rated operational voltage	U_e	V	690	
	Adjustable current	I_r	A	17 ... 97	
	Rated frequency	f	Hz	50/60	
	Overvoltage category / pollution degree acc. to IEC/EN 60947-1			III / 3	
	Trip class acc. to IEC/EN 60947-4-1			10	
	Sensitivity to phase failure			yes	
	Power loss at I_n	P	W	11 ... 15.5	
	Terminal capacity		mm ²	6 ... 35	
	Conductor insulation stripping length		mm	12	
	Screw			M5	
	Screw head			PZ2	
	Tightening torque		Nm	2.5	
AUXILIARY CIRCUITS	Rated insulation voltage	U_i	V	690	
	Rated impulse withstand voltage	U_{imp}	kV	6	
	Rated operational voltage	U_e	V	AC: 600 ; DC: 250	
	Overvoltage category / pollution degree acc. to IEC/EN 60947-1			III / 3	
	Thermal current (both contacts)	I_{th}	A	10	
	Contact electrical rating			A600 / Q300	
	Rated operational current AC-15				
	120 V	both contacts	I_e	A	6
	240 V				3
	380 V				1.9
	480 V				1.5
	500 V				1.4
	600 V				1.2
	Rated operational current DC-13				
	125 V	both contacts	I_e	A	0.55
	250 V				0.27
	Terminal capacity		mm ²		0.75 ... 2.5
Conductor insulation stripping length		mm		8	
Screw				M3.5	
Screw head				PZ2	
Tightening torque		Nm		0.8	

Connection diagram BR63

