

Technical specifications

Data according to EN 60730			7LQ2 001	7LQ2 002	7LQ2 003	7LQ2 005
Rated control voltage U_c		V AC	230			
Operating range	at 50/60 Hz	$\times U_e$	0.85 ... 1.15			
Rated frequency		Hz	48 ... 62			
Measuring ranges, setting ranges		°C	-30 ... +30	0 ... +60	+40 ... +100	2 ... +400
Switching hysteresis	adjustable	°C	1 ... 5			4 ... 20
Contacts	μ contact		1 CO			
Contact switching	closes with increasing temperature	Terminals	3/4			
Status indication, LED	switching status indication actuating voltage switching state ON break or short-circuit of sensor conductor		green red red flashing			
Rated operational voltage U_e		V AC	250			
Rated operational current I_s	at p.f. = 1	A	16			
	at p.f. = 0.4	A	4			
Different phases	actuator/contact permissible		Yes			
Electrical isolations	creepage and clearances actuator/contact	mm	4			
Rated impulse withstand voltage U_{imp} 1.2/50 μ s	actuator/contact	kV	> 2.5			
Minimum contact loads		V; mA	10; 100			
Terminals	\pm screw (Pozidriv)		1			
Conductor cross-sections	rigid	mm ²	1.5 ... 6			
	flexible with sleeve	min. mm ²	0.75			
Permissible ambient temperature	device	°C	-10 ... +55			-10 ... +55
	temperature sensor	°C	-30 ... +105			–
Permissible humidity	device	%	≤ 80			≤ 80
	temperature sensor	%	≤ 98			–
Degree of protection	according to EN 60529					IP20
	device temperature sensor		IP20 IP65			
Safety class	according to EN 61010		II			