

Contactors

KNL CONTACTORS

KNL6, KNL9, KNL12, KNL16, KNL18, KNL22, KNL30

TECHNICAL DATA				CONTACTOR RELAYS
GENERAL	Type			KNL6
	Standards			IEC / EN 60947-5-1, UL 508
	Approvals			UL, CSA, GOST
	Climatic class			constant damp heat (IEC 60068-2-78) cyclic damp heat (IEC 60068-2-30)
	Ambient temperature	open closed	°C	-25 ... +55 -25 ... +40
	Storage temperature		°C	-30 ... +80
	Mechanical endurance		op. c.	10 ⁷
	Max. mechanical operating frequency with no load		op. c./h	3000
	Max. electrical operating frequency AC-15/DC-13		op. c./h	1200/1200
	Weight		kg	0.3
MAIN CIRCUIT	Rated insulation voltage	U_i	V	690
	Thermal current	I_{th}	A	20
	Rated operational current	230 V		6
		400 V		4
	AC-15	500 V	I_e A	2
		690 V		1
	Rated operational current	24 V		10
		60 V		4
	DC-13	110 V	I_a A	0.9
		220 V		0.4
	Electrical endurance of contacts AC-15		op. c.	diagram 1
MAGNETIC SYSTEM	Max. back-up fuse for short-circuit protection gL Coordination type 2	I_v	A	20
	Coil consumption	switch-on	VA	66
			W	48
		operation	VA	8
			W	2.5
	Make / Break delay	make	NO	10 - 15
			NC	15 - 20
		break	NO	10 - 15
			NC	8 - 15
	Rated control voltage limits for closing	U_c	%	85 ... 110
	Control voltages	U_c	V	12 ... 600
	Terminal capacity	rigid		0.75 ... 4
		flexible	S mm ²	0.5 ... 2.5
	Screw			M3.5
	Screw head			PZ2
	Tightening torque		Nm	1.4

Standard control voltages and designations (AC)

V	24	42	48	110/125	220/240	380/415	440	480/520
50/60 Hz	B7	D7	E7	F7	M7	Q7	R7	S7