

# Contactors KNL6(G)-KNL38(G)

## Accessories



Snap-on auxiliary switch blocks

### TECHNICAL DATA

	Type	Symbol	Unit	NDL1, NDL2 NDL3, NDLG	NPL1 NPL2
	<b>GENERAL</b>	Standards			IEC/EN 60947-5-1, VDE 0660, UL 508
	Approvals			CE, UL, CSA <sup>1)</sup>	
	For use with			NDL1 (KNL6), NDL2 (KNL9-KNL18), NDL3 (KNL22-KNL38), NDLG (KNL6G-KNL38G)	NPL1 (KNL9 - KNL18), NPL2 (KNL22-KNL38)
	Module width			2	0.5
	Number of poles			2 or 4	1
	Degree of protection			IP20	
	Pollution degree			3	
	Ambient temperature				
	open		°C	-25 ... +55	
	closed			-25 ... +45	
	Storage temperature		°C	-30 ... +80	
	Maximum altitude		m	2000	
	U <sub>i</sub> and U <sub>e</sub> is reduced for 1.2 % and I <sub>e</sub> for 0.4 % for every additional 100 m				
	Maximum operating frequency with no load		op. c./h	3000	
	Mechanical endurance		op. c.	10.000.000	
	Weight		g	70	20
	Contact reliability			≥ 17 V; ≥ 50 mA	
	Maximum back-up fuse for short-circuit protection gL and gG: coordination type 2		A	16	10
	Rated insulation voltage	U <sub>i</sub>	V	690	
	Rated impulse withstand voltage	U <sub>imp</sub>	kV	6	
	Rated operational voltage	U <sub>e</sub>	V	690	
	Rated frequency	f	Hz	50 / 60	
	Thermal current	I <sub>th</sub>	A	16	10
	Rated operational current for AC-15:				
	single-phase 230 V			6	
	single-phase 400 V	I <sub>e</sub>	A	4	
	single-phase 500 V			2	
	single-phase 690 V			1	
	Maximum operating frequency for AC-15		op. c./h	1.200	
	Electrical endurance for AC-15		op. c.	500.000	
	Switching of auxiliary loads acc. to standard UL and CSA			A600, N600	
	Rated operational current for DC-13:				
	1 pole ... 24 V DC / 60 V DC / 110 V DC / 220 V DC		A	10 / 4 / 0.9 / 0.4	6 / 2.5 / 0.5 / 0.2
	Maximum operating frequency for DC-13		op. c./h	1.200	
	Electrical endurance for DC-13		op. c.	500.000	
	Terminal capacity:				
	rigid (solid and stranded)	S	mm <sup>2</sup>	0.75 ... 4	
	flexible			0.5 ... 2.5	
	Length of removed wire insulation		mm	10	
	Screw			M3.5	
	Screw head			PZ2	
	Tightening torque		Nm	1.4	1
	<b>AUXILIARY CIRCUIT</b>				

<sup>1)</sup> No UL and CSA for NDLG