

Contactors combinations

KMPL AND KPL DIRECT ON-LINE STARTERS

KMPL9, KMPL12, KMPL16, KMPL18, KMPL22, KPL9, KPL12, KPL16, KPL18, KPL22



They are mainly used for start-up, overload protection and switch-off of electric motors and also for other loads. A contactor and a corresponding bimetal relay are built in the enclosure of degree of protection IP55. They are switched on with the ON pushbutton and switched off with the OFF pushbutton. The mushroom pushbutton functions as an emergency stop pushbutton.

Corresponding back-up fuses should be built in a circuit in front of an automatic contactor for the protection against short-circuit. The KPL starters are not provided with overload protection, while KMPL starters are.

TECHNICAL DATA

Type of direct starter without overload protection				KPL9	KPL12	KPL16	KPL18	KPL22
Type of direct starter with overload protection				KMPL9	KMPL12	KMPL16	KMPL18	KMPL22
Corresponding thermal overload relay				BR16, BR30				
Standards				IEC/EN 60947-4-1				
Rated insulation voltage	U_i	V		690				
Max. permitted powers of three-phase motors at AC-3	230 V	P_m	kW/ HP	2.2 / 3	3 / 4	4 / 5.5	4 / 5.5	5.5 / 7.5
	400 V			4 / 5.5	5.5 / 7.5	7.5 / 10	9 / 10	11 / 15
	500 V			5.5 / 7.5	5.5 / 7.5	7.5 / 10	9 / 10	11 / 15
	690 V			5.5 / 7.5	7.5 / 10	7.5 / 10	9 / 10	11 / 15
Max. back-up fuse for short-circuit protection gL			A	25	25	35	35	50
Coordination type 2								
Range at control voltage	U_c	%		85 ... 110				
Max. operating frequency			op. c./h	15				
Degree of protection				IP55				
Ambient temperature			°C	-20 ... +40				
Terminal capacity	rigid	S	mm ²	0.75 ... 6				2.5 ... 10
	flexible			0.5 ... 6				1.5 ... 10

DIMENSIONS

