



## Series 100

- 1-module installation contactor
- Thermal current: 40 A
- Rated current AC-1: 40 A

## Advanced operation

- AC remote control
- AC/DC remote control

## Other benefits

- Installation contactor for applications such as residential, hospitals, hotels and business premises. It is also useful in industry.
- Fast switching of motors, electric heating, lights and lighting, all kind of electrical and electronic equipment.
- Mounting on 35 mm rail.
- Degree of protection IP20.



# Installation Contactors

## IKA140-1P and IKD140-1P

Technical data			IKA140-1P	IKD140-1P
<b>General</b>				
Standard			IEC/EN 60947-4-1, IEC/EN 61095	
Module width (1 module width = 17.5 mm)			1	
Mechanical endurance			3 x 10 <sup>6</sup>	
Ambient temperature		°C	-15 ... +55	
Storage temperature		°C	-40 ... +80	
No. of contactors side-by-side	≤ 40 °C		max.3	
	40 - 55 °C		max.2	
Contact reliability			17 V; ≥ 50 mA	
Min. distance of open contacts		mm	3.6	
Power dissipation per pole		W	2.5	
Overcurrent withstand capability (10 s)		A	72	
Max. back-up fuse for short-circuit protection gG (gL) - coordination type 1		I <sub>v</sub> A	32	
Max. operating frequency	AC-1/AC-7a	op.c.	600	
	No load		3000	
Weight		kg	0.13	
<b>Main circuit</b>				
Rated insulation voltage	U <sub>i</sub>	V	440	
Rated impulse withstand voltage	U <sub>imp</sub>	kV	4	
Thermal current	I <sub>th</sub>	A	40	
Rated operational voltage	U <sub>e</sub>	V	230	
Rated frequency	f	Hz	50/60	
Rated operational current	I <sub>e</sub>	A	40	
AC-1 - Non-inductive or slightly inductive loads, resistance furnaces AC-7a - Slightly inductive loads in household appliances and similar applications				
Operational power for AC-1/AC-7a	single-phase 230V	P <sub>e</sub>	kW	9.0
Electric endurance for AC-1/AC-7a			op.c.	150.00
Terminal capacity	rigid	S	mm <sup>2</sup>	1 ... 10
	flexible			1 ... 10*
Screw head			PZ1	
Tightening torque		Nm	1.2	
<b>Control circuit</b>				
Range of control voltage	U <sub>c</sub>	%	85 ... 110	
Kind of voltage			AC	AC/DC
Standard control voltages	U <sub>c</sub>	V	12, 24, 48, 230	
Frequency (AC)	f	Hz	50/60	
Surge immunity test (1.2/ 50 μs) acc. to IEC/EN 61000-4-5		kV	2	
Coil consumption	switch-on	VA/W	12 / 10	
	operation		2.8 / 1.2	
Delays	make	ms	15 - 25	
	break		10 - 30	
Terminal capacity	rigid	S	mm <sup>2</sup>	1 ... 2.5
	flexible			1 ... 2.5
Screw head		Nm	PZ1	
Tightening torque		Nm	0.6	

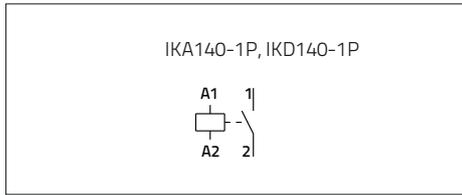
\* If it is used sleeve, it shall be round compressed. Insertion diameter max. 4.5 mm.

Efficient installations

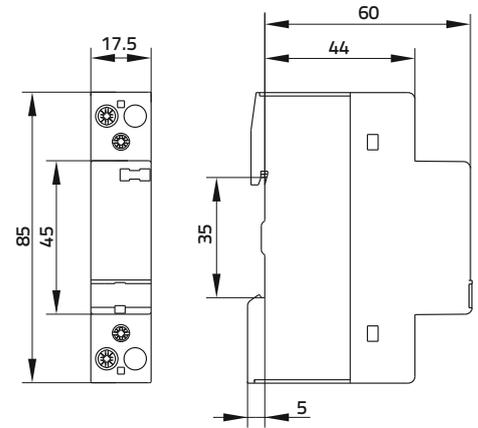
# Installation Contactors

## IKA140-1P and IKD140-1P

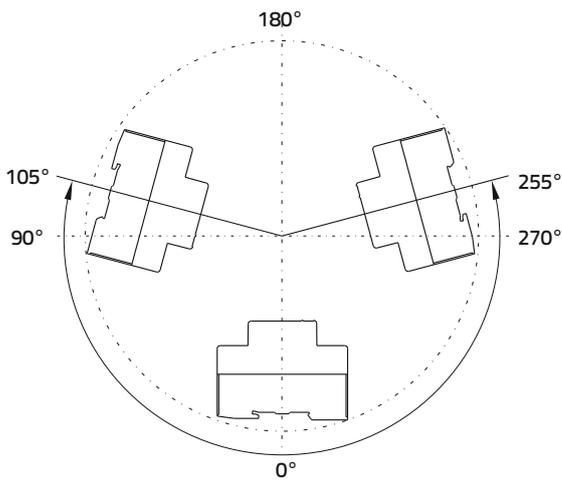
### Contact arrangements



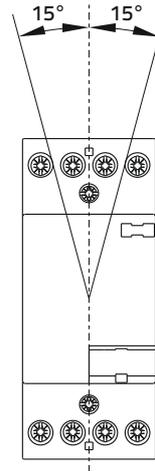
### Dimensions



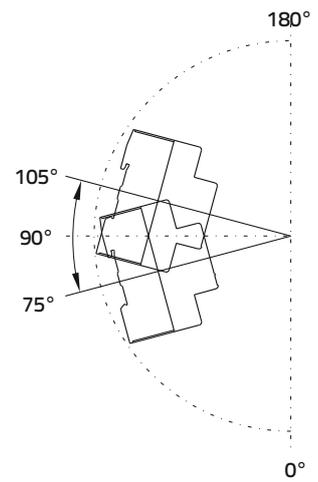
### Operation position



IKA140-1P

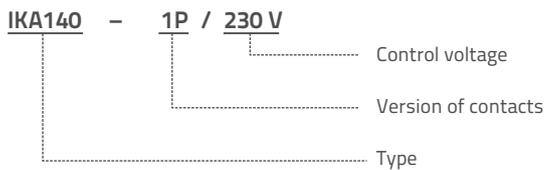


IKA140-1P  
IKD140-1P



IKD140-1P

### Ordering data



Published by Iskra, d. d. • Version 1.0 October 2016