

Installation Contactors series 200 and 400

IKA225, IKD225, IKA232, IKD232, IKA432, IKD432

NEW

SERIES 200

- 2-poles installation contactors
- Thermal current: 25 A and 32 A
- Rated current AC-1: 25 A and 32 A

SERIES 400

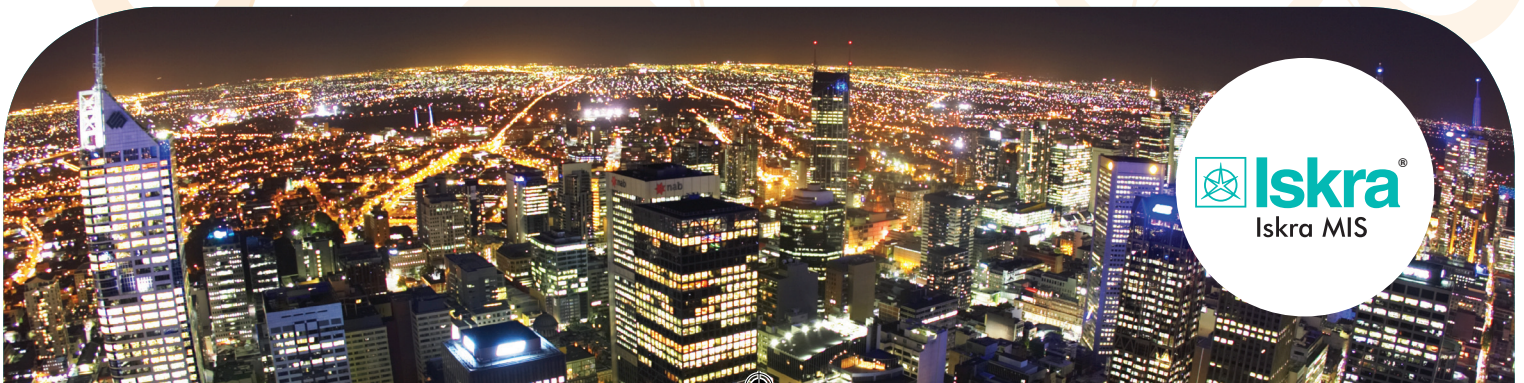
- 4-poles installation contactors
- Thermal current: 32 A
- Rated current AC-1: 32 A

ADVANCED OPERATION

- IKD for AC or DC remote control
- IKA for AC remote control

OTHER BENEFITS

- Hum-free installation contactors IKD are specially suitable for applications such as residential, hospitals, hotels and business premises
- Overvoltage protection built-in installations contactors IKD
- Installation contactors IKD do not cause inrush voltages and currents
- Extremely long mechanical life of installation contactors IKD
- Standard Installation contactors IKA are general useful in all applications
- It is also possible to mount an auxiliary switch IKN on IKA225, IKA232, IKA432 and IKD432



TECHNICAL DATA

Type				
GENERAL	Standards			
	Module width (1 module width = 17,5 mm)			
	Mechanical endurance			
	Ambient temperature			
	Storage temperature			
	No. of contactors side-by-side		≤ 40 °C 40 - 55 °C	
	Contact reliability			
	Min. distance of open contacts			
	Power dissipation per pole			
	Overcurrent withstand capability			
	Max. back-up fuse for short-circuit protection gG (gL) - coordination type 1			I_v
	Max. operating frequency	DC-1 AC-1 / AC-7a / AC-3 / AC-7b / lamp loads No load		
Weight				
MAIN CIRCUIT	Rated insulation voltage		U_i	
	Rated impulse withstand voltage		U_{imp}	
	Thermal current		I_{th}	
	Rated operational voltage		U_e	
	Rated frequency		f	
	Rated operational current: AC-1 - Non-inductive or slightly inductive loads, resistance furnaces AC-7a - Slightly inductive loads in household appliances and similar applications			I_e
	Operational power for AC-1 / AC-7a	single-phase	230 V	P_e
		three-phase	230 V	
		three-phase	400 V	
	Electrical endurance for AC-1 / AC-7a			
	Rated operational current: AC-3 - Squirrel-cage motors, starting: switching off motors during running AC-7b - Motor-loads for household applications			I_e
	Operational power for AC-3 / AC-7b	single-phase	230 V	P_e
		three-phase	230 V	
		three-phase	400 V	
	Electrical endurance for AC-3 / AC-7b			
	Rated operational current DC-1 - Non-inductive or slightly inductive loads, resistive furnaces	L/R ≤ 1 ms		I_e
	Electrical endurance for DC-1			
	Incandescent lamps and tungsten halogen lamps	1e per pole at 230 V 50 Hz		I_e
	Energy saving lamps, compact fluo. lamps and fluo. lamps with el. control gear	1e per pole at 230 V 50 Hz		I_e
	Fluorescent lamps - uncorrected or series corrected	1e per pole at 230 V 50 Hz		I_e
	Fluorescent lamps - parallel correction	1e per pole at 230 V 50 Hz		I_e
	Transformers for low-voltage tungsten halogen lamps	1e per pole at 230 V 50 Hz		I_e
	Metal halide lamps with el. control gear	1e per pole at 230 V 50 Hz		I_e
	High-pressure sodium-vapour lamps with el. control gear	1e per pole at 230 V 50 Hz		I_e
	Electrical endurance for lamps			
	Terminal capacity		rigid flexible	S
	Screw			
Screw head				
Tightening torque				
CONTROL CIRCUIT	Range of control voltage		U_c	
	Kind of voltage			
	Control voltage		U_c	
	Frequency (AC)		f	
	Surge immunity test (1,2/50 μs) acc. to IEC/EN 61000-4-5			
	Coil consumption		switch-on operation	
	Delays		make break	
	Terminal capacity		rigid flexible	S
	Screw			
	Screw head			
	Tightening torque			

*Coil consumption for version -04 is 3,8 VA / 3,8 W

IKA225

IKD225

IKA232

IKD232

IKA432

IKD432

IEC/EN 60947-4-1, IEC/EN 61095

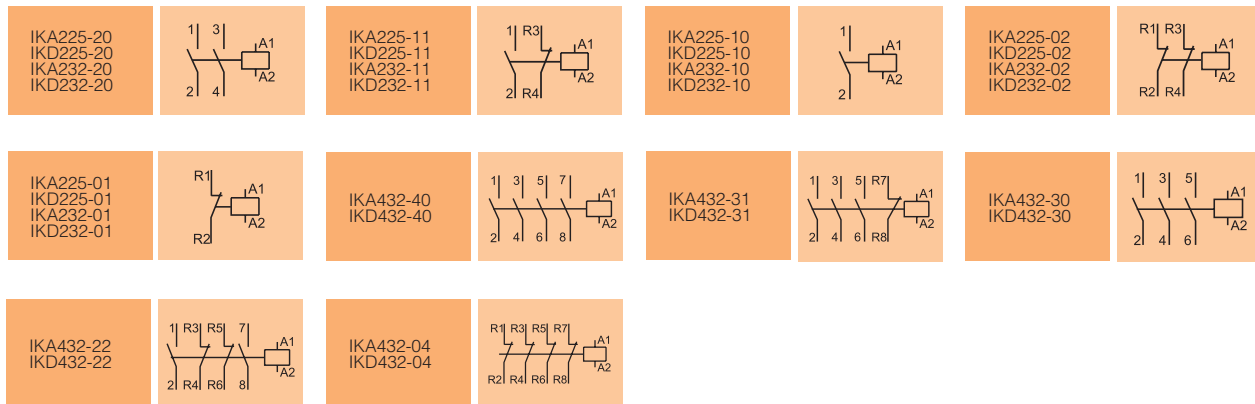
1

2

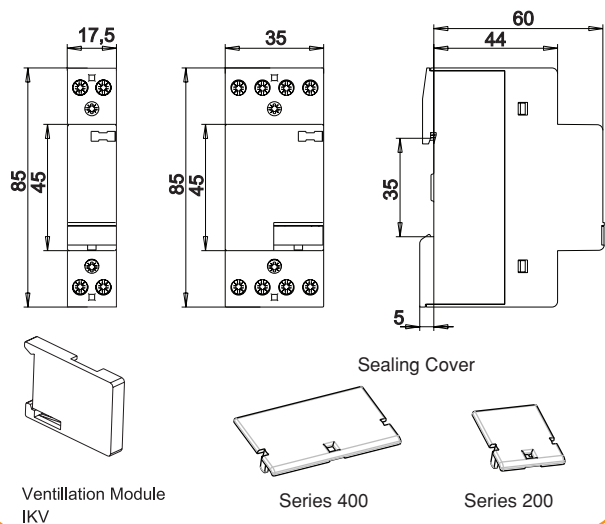
op. c.	3 x 10 ⁶	10 ⁷	3 x 10 ⁶	10 ⁷	3 x 10 ⁶	10 ⁷
°C	-15...+55					
°C	-40...+80					
	max. 3 max. 2					
	17 V; ≥ 50 mA					
mm	3,6					
W	2,0	2,0	2,5	2,5	2,5	2,5
A	72	72	72	72	68	68
A	25	25	32	32	32	32
	300 600 3000					
kg	0,13	0,13	0,13	0,13	0,24	0,26
V	440 V					
kV	4					
A	25	25	32	32	32	32
V	230	230	230	230	400	400
Hz	50/60					
A	25	25	32	32	32	32
kW	5,4	5,4	7,0	7,0	7,0	7,0
					12	12
					21	21
op. c.	200.000			150.000		
A	NO: 9 NC: 6	NO: 9 NC: 6	NO: 9 NC: 6	NO: 9 NC: 6	8,5	8,5
kW	NO: 1,3 NC: 0,75	NO: 1,3 NC: 0,75	NO: 1,3 NC: 0,75	NO: 1,3 NC: 0,75	1,3	1,3
					2,2	2,2
					4	4
op. c.	300.000			500.000		
A	25 / 24 V / 1 pole	25 / 24 V / 1 pole	32 / 24 V / 1 pole	32 / 24 V / 1 pole	32 / 24 V / 1 pole	32 / 24 V / 1 pole
op. c.	100.000					
A	8	8	10	10	10	10
A	3	3	3,5	3,5	3,5	3,5
A	8	8	10	10	10	10
A	1,5	1,5	2	2	2	2
A	3	3	3,5	3,5	3,5	3,5
A	2,5	2,5	3	3	3	3
A	2,5	2,5	3	3	3	3
op. c.	100.000					
mm ²	1...10 1...6					
	M3,5					
	PZ1					
Nm	1,2					
%	85...110					
	AC	AC, DC	AC	AC, DC	AC	AC, DC
V	12, 24, 48, 110, 115, 120, 220, 230					
Hz	50/60	40...500	50/60	40...500	50/60	40...500
kV	2					
VA / W	12 / 10 2,8 / 1,2	2,1 / 2,1 2,1 / 2,1	12 / 10 2,8 / 1,2	2,1 / 2,1 2,1 / 2,1	33 / 25 5,5 / 1,6	2,6 / 2,6* 2,6 / 2,6*
ms	15 - 25 10 - 30	15 - 45 20 - 50	15 - 25 10 - 30	15 - 45 20 - 50	10 - 30 10 - 30	15 - 45 20 - 70
mm ²	1...2,5 1...2,5					
	M3,5					
	PZ1					
Nm	0,6					

Contact Arrangements, Operation Positions, Dimensions, Ordering data

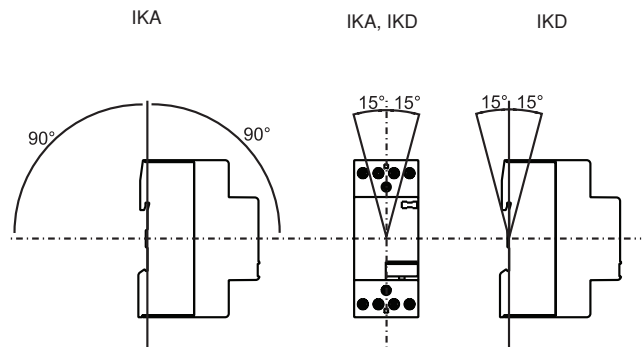
CONTACT ARRANGEMENTS



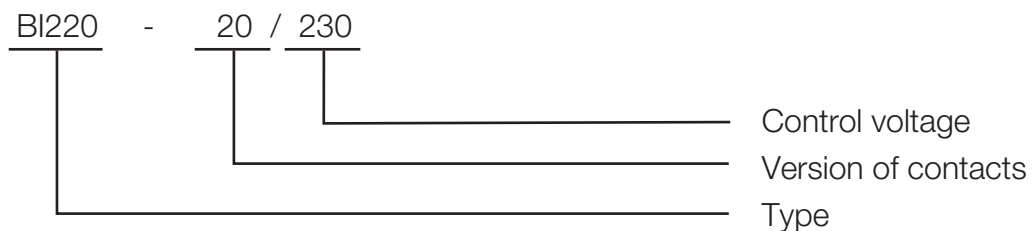
DIMENSIONS



OPERATION POSITIONS



ORDERING DATA



Iskra

Iskra MIS

Ljubljanska c. 24a, SI - 4000 Kranj, Slovenia
 Tel.: +386 4 23 72 112, Fax: +386 4 23 72 129
 E-mail: info@iskra-mis.si, www.iskra-mis.si