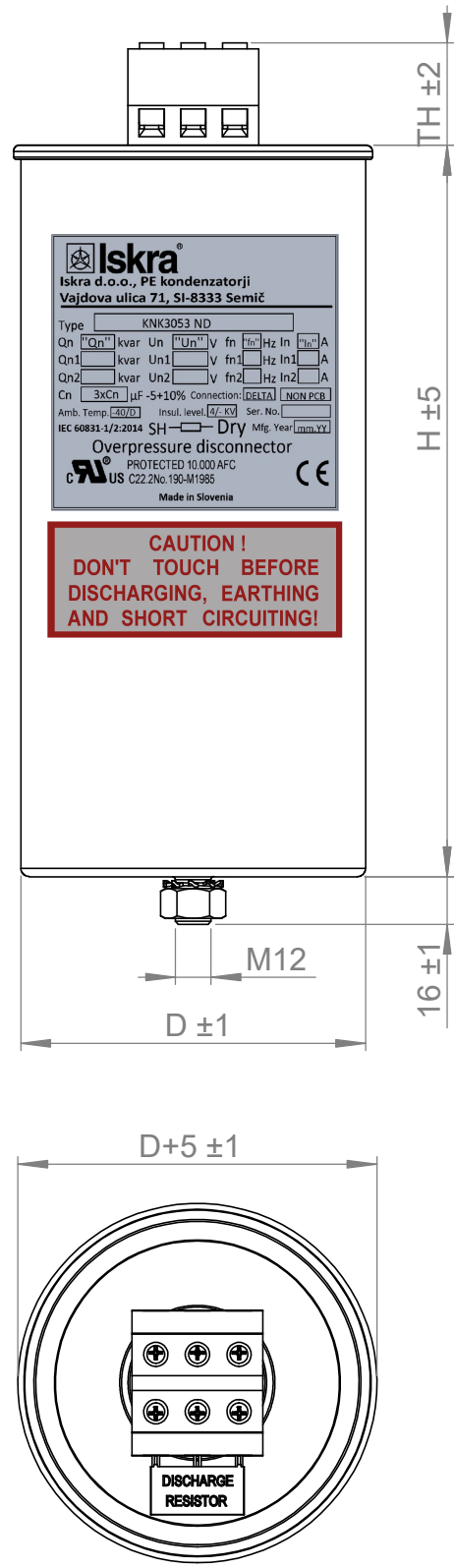


Unless otherwise specified apply the following tolerances

to 6	±0,1
above to 6 30	±0,2
above to 30 100	±0,3
above to 100 300	±0,5
above to 300 1000	±0,8
above to 1000 2000	±1,2
above to 2000 4000	±2
above 4000	±3

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Capacitor Type	KNK3053
Technical data	
Standard	IEC 60831-1/2
Certificate	UL 810 10.000AFC
Connection	Delta
Rated reactive power (Q _n)	15,5 kvar
Rated voltage (U _n)	480 V
Rated frequency (f _n)	50 Hz
Rated capacitance (C _n)	3 x 71,4 µF
Capacitance tolerance	-5/10 %
Rated current (I _n)	3 x 18,6 A
Dielectric losses	≤ 0,2 W/kVAr
Total losses	≤ 0,5 W/kVAr
Temperature category	-40/D
Max. Humidity	95 %
Cooling	Forced ventilation or naturally air cooled
Max. overvoltage	1.1 x U _n (8 h/day)
	1.15 x U _n (30 min/day)
	1.2 x U _n (5 min - 200 times per life time)
	1.3 x U _n (1 min - 200 times per life time)
Max. overcurrent	1,3 x I _n (Standard duty) (including combined effects of overvoltages, harmonics and capacitance tolerance)
Inrush current	150 x I _n
Expected life time	> 100.000 h (Standard Duty)
Discharge resistor	to 75V < 3min
Altitude	Up to 4000 m
Insulation level	4/8 kV
Routine Tests	
Terminal to terminal	2.15 x U _n , 2 s
Terminal to case	4 kV, 2 s
Sealing test	N/A
Mechanical parameters	
Diameter (D)	75
Height (H)	245
Terminals per phase / Terminal height (TH) / Max. torque / Max current	2 x 16 mm ² / 30 mm / 2 Nm / 35 A for D=75 mm 2 x 25 mm ² / 35 mm / 3 Nm / 65 A for D≥75 mm
Mounting and grounding / Max. torque	Threaded M12 bolt / 10 Nm
Mounting position	Vertical with terminal pointing upwards or horizontal
Protection	IP20
Clearance distance	> 16 mm
Creepage distance	> 16 mm
Safety device	Overpressure disconnecter (all phases)
Weight	see table
Material parameters	
Dielectric	Self healing metallized polypropylene film
Filling	Dry (filled with non PCB polyurethane resin)
Case	Aluminium

material	protection		standard		issue					
changes	1	2	3	4	5	6	7	8	9	10
request.										
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PE Kondenzatorji

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