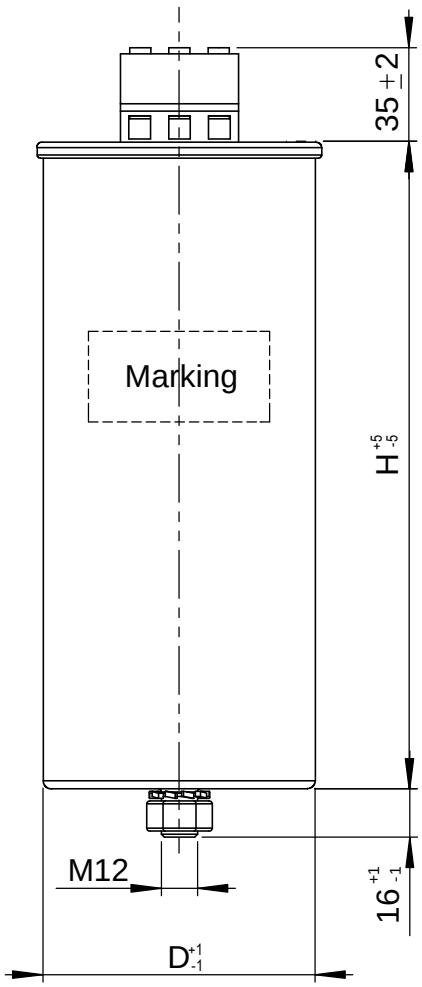
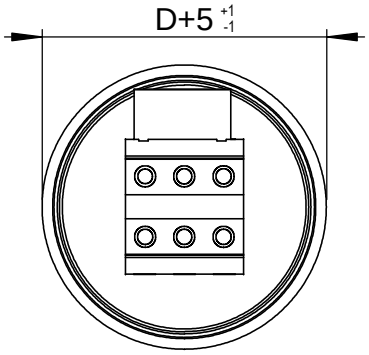
Unless otherwisse specified apply the following tolerances	
to 6	±0,1
above 6 to 30	±0,2
above 30 to 100	±0,3
above 100 to 300	±0,5
above 300 to 1000	±0,8
above 1000 to 2000	±1,2
above 2000 to 4000	±2
above 4000	±3





Capacitor Type	KNK3053
Technical data	
Standard	IEC 60831-1/2
Connection	Delta
Rated reactive power (Q_n)	**50 kvar**
Rated voltage (U_n)	**415**
Rated frequency (f_n)	**50 Hz**
Rated capacitance	3 × 308 µF
Capacitance tolerance	-5/10 %
Rated current	3 × 69,6 A
Dielectric loses	≤ 0.2 W/kVAr
Total losses	≤ 0.45 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	2 x I_n (Heavy duty) (including combined effects of overvoltages, harmonics and capacitance tolerance)
Inrush current	200 x I_n
Expected life time	> 150000 h (Heavy duty)
Discharge resistor	**to 75 V ≤ 3 min**
Altitude	Up to 2000 m
Insulation level	4/-
Routine Tests	
Terminal to terminal	2.15 x U_n, 2 s
Terminal to case	4000 V, 10 s
Sealing test	N/A
Mechanical parameters	
Diameter (D)	136 mm
Height (H)	285 mm
Terminals per phase / Terminal height (TH) / Max. torque / Max current	2 x 25 mm^2 / 35 mm / 3 Nm / 72A
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 disconnector (all phases)
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.										
date										
signature										

	date	signature	name
design.	2.7.15	B. Križan	
approved	2.7.15	J. Rožman	
stand.			

Capacitor KNK3053

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PE Kondenzatorji

identification No.

scale	page
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