

type no. **FK-DR 25kvar/400V/50Hz/DIa/7%**
code
design corrected (adjusted) rating

rated power:	25 kvar	impregnation:	Vacuum/PE-resin/ warm hardening
capacitor	Δ 3x 154 μ F	ambient temperatur	40 °C
rated voltage:	400 V	insulation class	B
rated frequency:	50 Hz	operating period:	100 %
detuning factor:	7 %	test voltage	
resonance frequency:	189 Hz	between winding	3 kV
inductance:	3x 1.53 mH	winding/core	3 kV
tolerance of inductance:	± 3 %	temperature switch	
current linearity of the inductance:	1.8 x I_N $L_{Lin} \geq 0.95 \cdot L_N$	switching temperature	125 °C
currents		switching current	6.3 A
I_n	36.1 A	connecting clamps	2.5 mm ²
I_{rms}	42.3 A	winding	
I_{th}	44.4 A	winding material	aluminium
I_1	39.7 A	core	
I_3	1.4 A	core type	3UI120I61
I_5	13.4 A		
I_7	4.8 A		
power loss_{rms}	123 W		

electrical connection

copper lugs x
screw hole diameter g 8.4 mm

mechanical fixation

gusset, standing: x
screw hole diameter d 11x18 mm

Dimension drawing
weight

16.6 kg

dimensions

length L 240 mm
length l 190 mm
width B 141 mm
width b 115 mm
width b3 15 mm
height H 215 mm
height h2 5 mm

