

type no.	FK-DR 50kvar/400V/50Hz/DIa/7%		
code	458.258-4032A		
design	corrected (adjusted) rating		
rated power:	50 kvar	impregnation:	Vacuum/PE-resin/ warm hardening
capacitor	$\Delta 3 \times 308 \mu\text{F}$	ambiente temperatur	40 °C
rated voltage:	400 V	isolation class	B
rated frequency:	50 Hz	operating period:	100 %
detuning factor:	7 %	test voltage	
resonance frequency:	189 Hz	between winding	3 kV
inductance:	0,77 mH	winding/core	3 kV
tolerance of inductance:	$\pm 3 \%$	temperature switch	
current linearity of the inductance:	1,8xI _N	-switching temperature	125 °C
	$L_{Lin} \geq 0,95 \cdot L_N$	-switching current	2,5 A
currents		-connecting clamps	2,5 mm ²
I _N	72,2 A	winding	
I _{rms}	84,6 A	winding material	copper
I _{th}	88,8 A	core	
I ₁ (50Hz)	79,4 A	core type	150EI80
I ₃ (150Hz)	2,7 A	lamination sheet thickness	0,35 mm
I ₅ (250Hz)	26,8 A	weight	27,7 kg
I ₇ (350Hz)	9,7 A	dimensions	
electrical connection		length L	300 mm
-screw connection with cable lug	35 mm ²	length l	240 mm
screw hole diameter g	8,4 mm	width B	180 mm
mechanical fixation		width b	148 mm
gusset, standing:	x	width b3	5 mm
screw hole diameter d	10x15 mm	height H	190 mm
		height h2	2 mm

Dimension drawing
