Technical data

Residual Current-operated Circuit-Breakers F 804

կ L1 С L2 О Ν 0 ١F PE O ABB F 804 Fl - Schutzschalter für Wechsel- und Gleichfehlerströme In 63 A E + 230 / 400 V ax. 100 A 10 000 4 VDE-Reg.-Nr. 5342 Prüftaste halbjährlich drückr Ł Schalter muß L1 0 L2 o L3 0 0 Ν $|_{F}$ PE O



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SK 5

Aluminium conductors must not be connected

Conditions of Delivery and Sale

For business conducted in domestic and foreign markets the following conditions in their latest versions are valid:

General conditions of Supply and Delivery for products and services of the electrical industry: Form 80060 German, 80061 German-English, 80062 German-French. General conditions of Sale for the products and services of the electrical industry: Form 80175 German, 80160 English, 80174 French. Relevant to specific orders special conditions can be agreed upon.

Guarantee

The guarantee period is 6 months, in favour of the endbuyer, and commences when he is in possession of the products. In this connection, our valid guarantee conditions are included in the packing of our cordless tools.

Technical Reservations

The data and figures of this publication are subject to change as required by technical progress.

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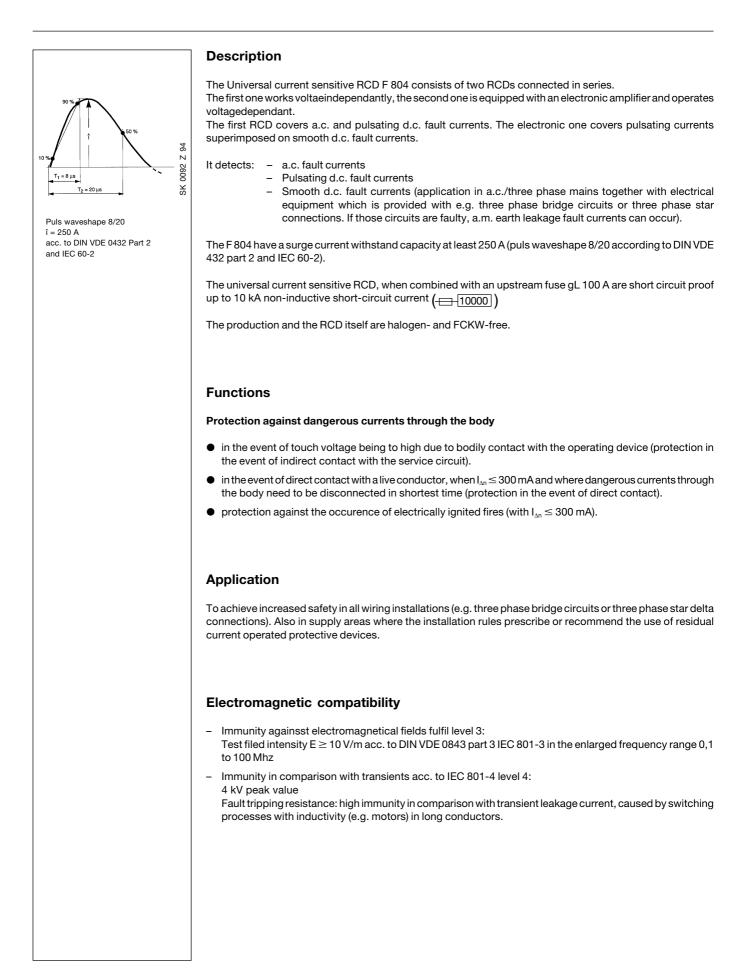
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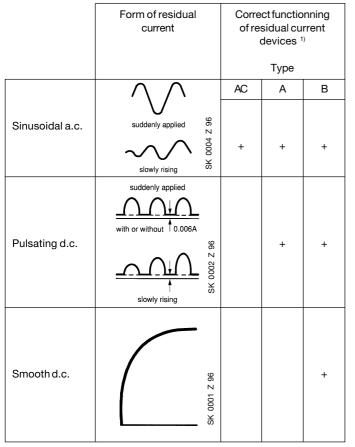
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Selection table

Universal current sensitive RCD F 804 11





Protection ensured by types AC, A and B residual currents devices acc. to IEC 755 Amend. 2

Classification of the STOTZ-Residual Current operated Devices

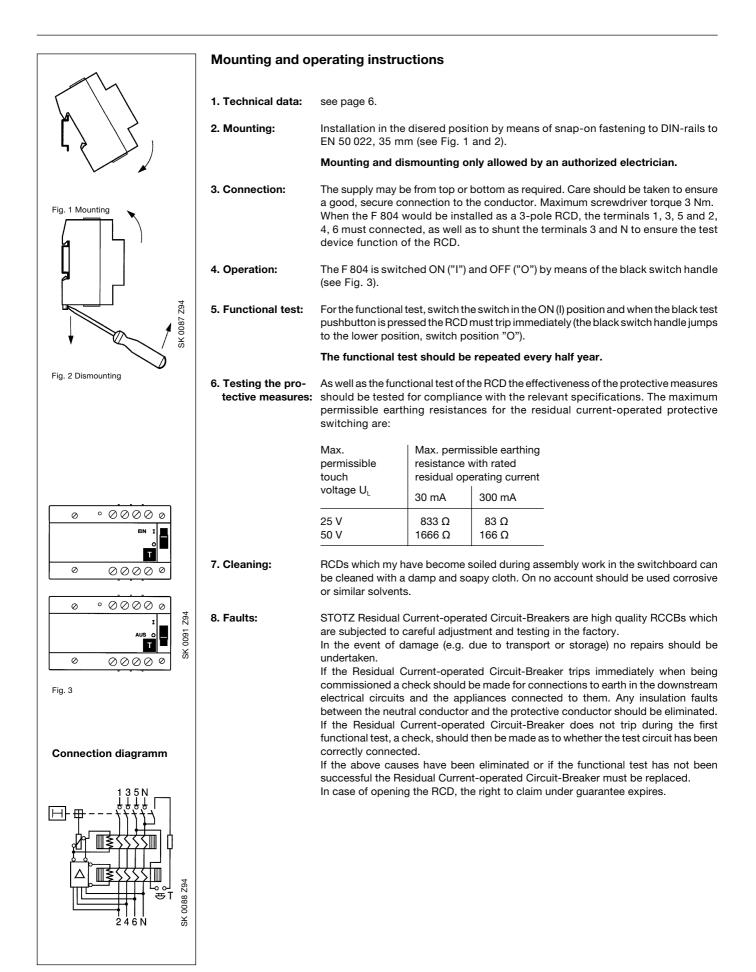
Types		
AC	А	В
F 360	F 370	F 804
F 660	F 390	
	F 670	
	F 694	
	F 270	
	P 270	
	F 402	

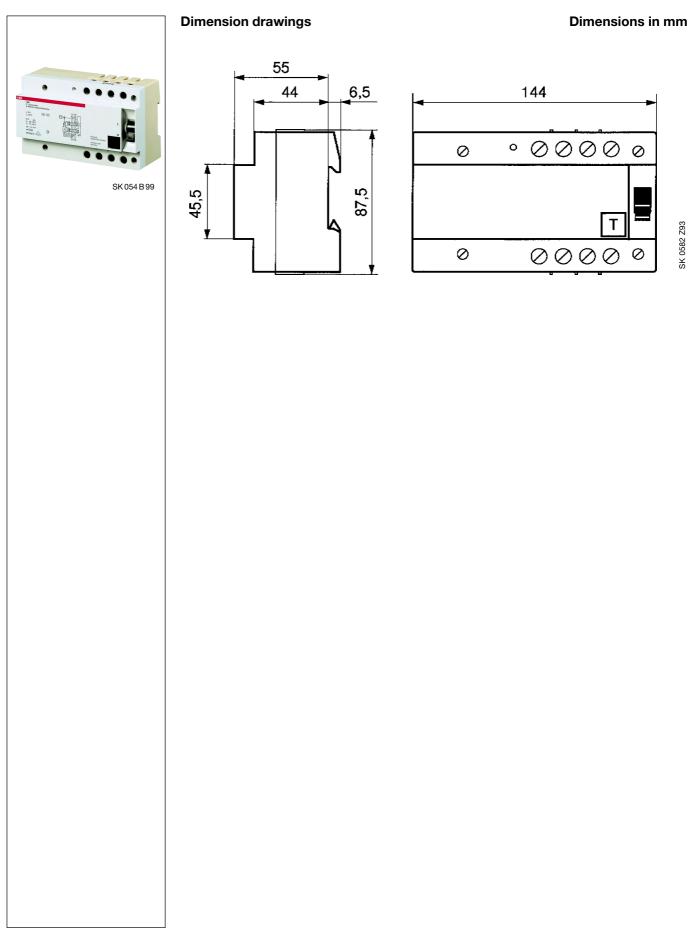
¹⁾ Indicated by +.

The universal current sensitive RCD F 804 detects the following earth fault currents:

\sim	a.c. fault currents	
$\sim \sim$	Pulsating d.c. fault currents (pos. and neg. half cycle) half cycle current 0° el	
w	phase angle 90° el phase angle 135° el	
	Half cycle current superimposed on a smooth d.c. fault current of 6 mA	
——— SK 0083 Z94	Smooth d.c. fault current	

	Technical data	
	Standard specification:	acc. to VDE 664 part 1, VDE-Register-No. 5342 IEC 755
	No. of poles:	4 pole
	Rated current In:	63 A
	Rated residual operating current $I_{\Delta n}$:	30 and 300 mA
	Tripping range at \sim	0.50 1.0 x I _n
	at 🔀	0.11 1.4 x I _n
01/05/10:00	at	0.50 2.0 x I _n
SK 054 B 99	Tripping time at $1 \times I_{\Delta n}$	\leq 200 ms
	\sim at 5 x I _{Δn}	\leq 40 ms
	at 1 x I _{∆n}	\leq 200 ms
	$\begin{array}{ c c }\hline \hline $	\leq 40 ms
	at 1 x I _{∆n}	≤ 200 ms
	at $5 \times I_{\Delta n}$	\leq 40 ms
	Surge current withstand capacity:	\geq 250 A (pulse waveshape 8/20)
	Short-circuit withstand capacity:	10.000, in combination with an upstream fuse gL 100 A acc. to DIN VDE 0636 part 1 or EN 60 269-1 breaking range and operating class gG
	Rated voltage U _n :	\sim 230/400 V
	max. operating voltage U _{Bmax.} :	1.1 x U _n
	Operating voltage of test device U_T :	175 440 V ~
	Insulation: – overvoltage category: – pollution degree: – surge voltage (1.2/50): – surge voltage (50/60 Hz):	acc. to DIN VDE 0110 part 1 and 2 IV 2 6 kV 2.5 kV
	Frequency:	50 60 Hz
	Enclosure:	Moulded plastic; grey (RAL 7035)
	Switch handle/test button:	black (RAL 9005)
	Degree of protection:	IP 20; IP 40 in distribution board
	Cover dimensions:	acc. to DIN 43 880 size 1
	Depth:	55 mm
	Connections:	individual connection
	Cable cross section:	bottom/top: 1.5 25 mm ² multicore to flexible conductors
	Terminals:	bottom/top: frame terminals with screw M 6
	Life expectancy:	\geq 10.000 mechanicals operations
	Climatic resistance acc. to IEC 1008:	damp heat, cyclic (28 cycles)
	Ambient temperature:	$T_{min} - 25^{\circ} \text{ C}; T_{max} + 40^{\circ} \text{ C}$
	Vibration resistance:	acc. to IEC 1008
	Protection against unintentional direct touch:	acc. to DIN VDE 0106; part 100
	Trip free:	yes
	Weight:	see selection table





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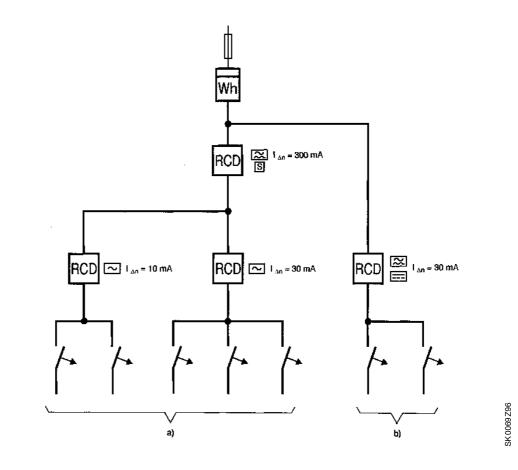


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Notice for project and construction of electrical installations in which smooth and pulsating dc fault currents could arise (e.g. in connection with frequency converters or X-ray equipment).

For project and construction of electrical installations please notice that consumer – which could in the event of a defect produce smooth dc fault currents – must allocate a separat circuit with an universal current sensitive RCD. (see diagram below).

Smooth dc fault currents can seriously affect the tripping characteristics of the standards RCDs which are sensitive to pulsating dc fault currents (according to DIN VDE 0664). It is not allowed to install, after central ordered RCDs (acc. to DIN VDE 0664), circuits with consumer which in the event of a defect could produce smooth dc fault currents.

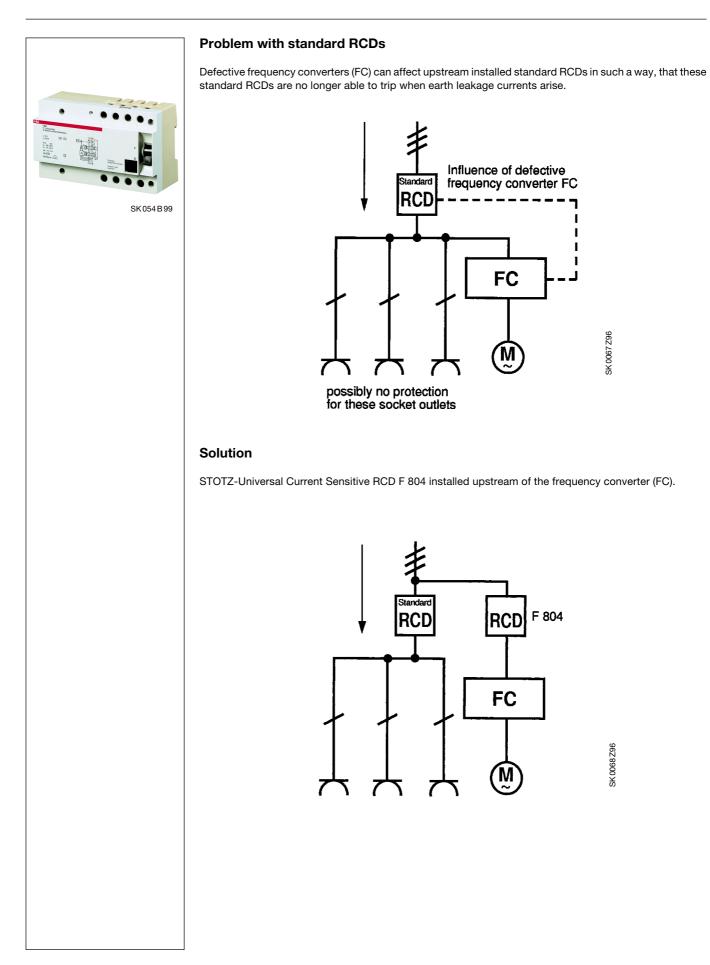


a.) With standard RCDs

Circuits with consumers, which produce in a case of a defect ac fault currents or/and pulsating dc fault currents.

b.) With universal current sensitive RCDs

Circuits with consumers, which produce in a case of a defect ac fault currents or/and pulsating dc fault currents or/and smooth dc fault currents.





Weight 1 piece Packing unit bbn 40 16779 Price 1 pc. Ordering details Rated Rated residual current $current I_{\Delta n} mA$ I_n A Order code EAN DM Type-No. kg pcs. 63 F 804-63/0.03 GH F804 0001 R2590 09320 0 0.755 30 1 300 63 F 804-63/0.3 GH F804 0001 R4590 09330 9 0.683 1

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