

(SE820256)

Features

- Requires no extra space.
- To be mounted at the rear of the terminal base.
- High insulation test voltage.
- For use in protection and control systems
- Allow fast and flexible modification of schemes or addition of components

Application

The RTXE component blocks are used for rectification, pick-up and drop-out delay of auxiliary relays as voltage dividers etc.

Design

RTXE is available in various variants with diodes, a diode bridge, resistors or a varistor embedded in plastic together with the required connection details.

Two or four 150 mm, 0.5 mm² leads, marked 51, 52...56, are connected to the block and fitted with 10 A COMBIFLEX sockets in the free ends.

Included are tapping fixing screws of type B2 x 9,5 for fitting the RTXE in the component pocket at the rear of RX 2H or RX 4 terminal bases and requires thus no extra space.

Several RTXE's can be electrically connected with the aid of an RTX C branch connector.

Technical data

Table 1: Technical data RTXE

Diodes	Type 1	Type 2	Type 3
Rated rms voltage	250 V	500 V	500 V
Repetitive peak reverse voltage	800 V	1500 V	3000 V
Mean forward current at 55°C	0,8 A	0,8 A	0,8 A
Surge reverse-power dissipation at 10 μs pulse-time	500 W	1000 W	2000 W
Surge forward current at 10 ms pulse-time (sine-wave)	20 A	30 A	30 A

Type 3 consist of series connected diodes with data as per type 2.

Resistors: (metal layer)		Varistors: (metal-oxide)	
Tolerance in resistance	±2%	Max. continuous voltage	ac 250 V, dc 320 V
Temperature coefficient	±250 × 10 ⁻⁶ /°C	Peak voltages at 1 mA, crest 60 Hz	min. 351 V, max. 429 V
Stability at rated power	3%	Capacitance	500 pF
Rated power	4 × 0,5 W	Max energy	70 J (2 ms)
		Max. power loss (mean values)	0,60 W

Ordering

At ordering specify:

- Type RTXE
- Quantity
- Ordering No. example: RK 741 111-BA

Table 2: Ordering table

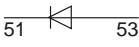
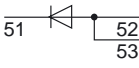
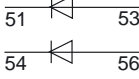
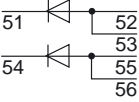
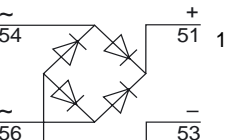
Diode blocks	Type	Ordering No.
	3	RK 741 111-BA
	3	RK 741 112-BA
	2	RK 741 113-BA
	2	RK 741 114-BA
	1	RK 741 116-AA

Table 3: Ordering table


Varistor block	Ordering No.
	RK 741 321-AA

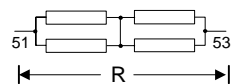
Table 4: Ordering table

Resistor blocks

Ordering No. RK 741 225-.. (subletters)

R ohm	Sub	R ohm	Sub	R ohm	Sub	R ohm	Sub	R kohm	Sub	R kohm	Sub
10	-BA	68	-BV	470	-CR	3300	-DM	15	-ED	100	-FA
12	-BB	82	-BZ	560	-CT	3900	-DR	18	-EF	120	-FB
15	-BD	100	-CA	680	-CV	4700	-DN	22	-EG	150	-FD
18	-BF	120	-CB	820	-CZ	5600	-DT	27	-EK	180	-FF
22	-BG	150	-CD	1000	-DA	6800	-DV	33	-EM		
27	-BK	180	-CF	1200	-DB	8200	-DZ	39	-EN		
33	-BM	220	-CG	1500	-DD	10000	-EA	47	-ER		
39	-BN	270	-CK	1800	-DF	12000	-EB	56	-ET		
47	-BR	330	-CM	2200	-DG			68	-EV		
56	-BT	390	-CN	2700	-DK			82	-EZ		

Resistor terminals



Max. power 2W

Manufacturer

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