

Relay Switching Unit KRE-4044-EFCI

MTS-No.: 22284

Application

The Relay Switching Unit series KRE-4000 can be used for several applications, f.e.:

- Switching Unit for RF-generators, amplifiers and antennas at EMC test laboratories
- RF matrix
- Filter, diplexer attenuator etc. selection unit
- Any automated routing of measurement equipment at test benches

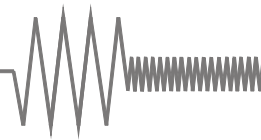
Description

The Relay Switching Unit, series KRE-4000 is for the switching of almost every kind of signals. Due to the modular design, the electrical characteristics of the switches can be adapted to versatile demands. In combination with attenuators, splitters and other modules the usability can be extended.



Characteristics

- ▶ Configuration:
1x SP12T relay (R574403210 Radiall)
- ▶ Integrated power supply 100 V - 240 V
- ▶ Manual control (colour display with touch-panel)
- ▶ Remote control by RS-232 and IEEE-488
- ▶ 19" rack mount case with 3 HU
- ▶ Windows control programs can be offered
- ▶ High quality materials and components for extended durability
- ▶ Relay Switching Units can be designed according to customer's individual requirements



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Configuration:

1x SP12T relay (R574403210 Radiall)

Technical data:

1 RF-specifications:

1.1 Relay type (relays 1)	SP12T (R574403210 Radiall) failsafe, internal termination
Impedance	50 Ω
RF-power max. (throughput power)	200 W CW @ 3 GHz (*)
RF-power max (internal terminations)	1 W CW per termination 3 W CW total power
Frequency range	DC – 6 GHz
RF-connections	N female
Switching time max.	50 ms
Operating life min.	2 000 000 cycles
VSWR max.	1,5 : 1
Isolation min.	70 dB
Insertion loss max.	0,8 dB

3 General specifications:

3.1 Power supply	100 V - 240 V 50 Hz / 60 Hz
3.2 Internal voltage	+5 V DC, +28 V DC
3.3 Control displays	Control lamp in the power switch
3.4 Control interfaces	RS-232 IEEE-488
3.5 Power consumption primarily	120 mA max. @ 230 V (no relay switched) 150 mA max. @ 230 V (all relays switched)
3.6 Voltage supply	Standard rubber connector
3.7 Operating temperature	0 °C - +50 °C
3.8 Reference temperature for specifications	+25 °C
3.9 Dimensions	19"-unit x 3 HU x 310 mm (dimensions without handles and connections)
3.10 Colour	Front side colourless anodized Rear side colourless anodized
3.11 Weight	6,8 kg

2 Connections:

2.1 Front side	RF-connections Power switch with integrated control lamp Display with touch panel
2.2 Rear side	Control card Appliance plug with the integrated fuses F1 and F2 Ground connector Control interfaces

4 Delivered parts:

KRE-4044-EFCI
Power cable
CD with operating manual

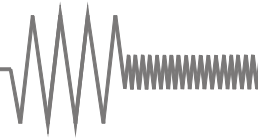
5 Comments:

Warranty	12 months
RoHS-compliant	Yes

6 Recommended accessories:

RF-cables
Terminations
Attenuators

(*) Non-switching. The maximum RF-power is shortened depending on present standing waves. Please consult derating factors of the relay manufacturer and the data of the RG400 cable!



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Views:

