## Relay Switching Unit KRE-4172-EFMIL

MTS-No.: 31141
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## 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 (R574.403.210 Radiall) internal wired by SM86


- Integrated power supply 100 V - 240 V AC
- Manual control (colour display with touchpanel)
- Remote control by USB, LAN and IEEE-488 (other interfaces or web control on request)
- 19" rack mount case with 3 HU
- Windows control programs can be offered
- High quality materials and components for extended durability
- On request user blocking of separate components (with name / name and keyword available)
- On request switching cycles of every relay position can be requested
- Relay Switching Units can be designed according to customer's individual requirements


## Configuration:

1x SP12T relay (R574.403.210 Radiall) internal wired by SM86

## Technical data:



## 2 Connections:

\(\left.$$
\begin{array}{|l|l}\text { 2.1 } & \text { Front side } \\
\hline \text { RF-connections } \\
\text { 2.2 } & \begin{array}{l}\text { Rewer switch with } \\
\text { integrated control lamp }\end{array}
$$ <br>

Colour display with touchpanel\end{array}\right\}\)| Control card with control interfaces |
| :--- |
| Appliance plug with the |
| integrated fuses F1 and F2 |
| Ground connector |

3 General specifications:

| 3.1 | Power supply | $\begin{aligned} & 100 \mathrm{~V}-240 \mathrm{~V} \\ & 50 \mathrm{~Hz} / 60 \mathrm{~Hz} \end{aligned}$ |
| :---: | :---: | :---: |
| 3.2 | Internal voltage | +5 V DC, +28 V DC |
| 3.3 | Control displays | Control lamp in the power switch Colour display with touchpanel |
| 3.4 | Control interfaces | USB <br> LAN <br> 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 | $0^{\circ} \mathrm{C}-+50^{\circ} \mathrm{C}$ |
| 3.8 | Reference temperature for specifications | $+25^{\circ} \mathrm{C}$ |
| 3.9 | Dimensions | 19"-unit x 3 HU x 310 mm (dimensions without handles and connections) |

3.10 Colour
3.11 Weight

Rear side colourless anodized 7.0 kg

4 Delivered parts:
KRE-4172-EFMIL
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 consult the specification of used RF connectors.

[^0]© MTS Systemtechnik GmbH Technical subject to change

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## Views:




[^0]:    31141.SPEC / KRE-4172-EFMIL / 27 February 2024

