

# LTE Switch Cabinet Antenna

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## Description:

The **LTE Switch Cabinet Antenna** is particularly suitable for applications in the field of eMobility and direct mounting on control cabinets. Due to an integrated screw connection, the antenna is particularly robust and vandalism-proof. The antenna is available in gray and black.

## Technical details:

<b>Part number</b>	24R-C015-AB-01 (1.5m, SMA) 24R-C015-AK-10 (1.5 m, FAKRA)
<b>Frequency range</b>	698 - 960 MHz, 1710 - 2700 MHz
<b>supported LTE bands</b>	1-10, 12-14, 17-20, 23, 25-30, 33-41, 44, 53, 65-69, 85, 103, 106
<b>Antenna gain max.</b>	698 - 960 MHz: 3 dBi 1710 - 2700 MHz: 4 dBi
<b>Antenna gain min.</b>	698 - 960 MHz: 2 dBi 1710 - 2700 MHz: 2 dBi
<b>Standing wave ratio<sup>1</sup> (VSWR)</b>	< 3:1
<b>Impedance</b>	50 Ω
<b>Efficiency<sup>1</sup></b>	50 %
<b>Polarization</b>	linear
<b>Antenna type</b>	patch antenna
<b>Radiation pattern</b>	omnidirectional (in free space)
<b>Power (max.)</b>	10 W
<b>Cable</b>	low-loss (AA100 type, attenuation < 0,75 dB/m bei 900 MHz)
<b>Cable length</b>	1,5 m
<b>Connector</b>	SMA / FAKRA
<b>Isolation rating<sup>2</sup></b>	> 6000 V
<b>Temperature range</b>	-40 °C to +85 °C
<b>Humidity</b>	max. 95 % RH (non-condensing)
<b>Wind resistance</b>	> 100 km/h
<b>IP class</b>	IP66
<b>Flammability</b>	V1

<b>UV resistance</b>	min. 10 years
<b>Product lifetime</b>	min. 15 years
<b>Color</b>	grey
<b>Weight</b>	221 g / 219 g
<b>Conformity</b>	ROHS, CE, WEEE
<b>HS Code</b>	8529.10
<b>Country of origin</b>	People's Republic of China

<sup>1</sup> The standing wave ratio (VSWR) and the efficiency of the antenna depend on the materials used in the vicinity.

<sup>2</sup> Applies to the cable only. Test of the complete cable between inner conductor and outer sheath in accordance with EN 50395:2005 Sect. 6

### Notes:

- > In addition to the variants listed above, the antenna can be manufactured with numerous different connector types, customized cable types and cable lengths. Please contact us for a quote.