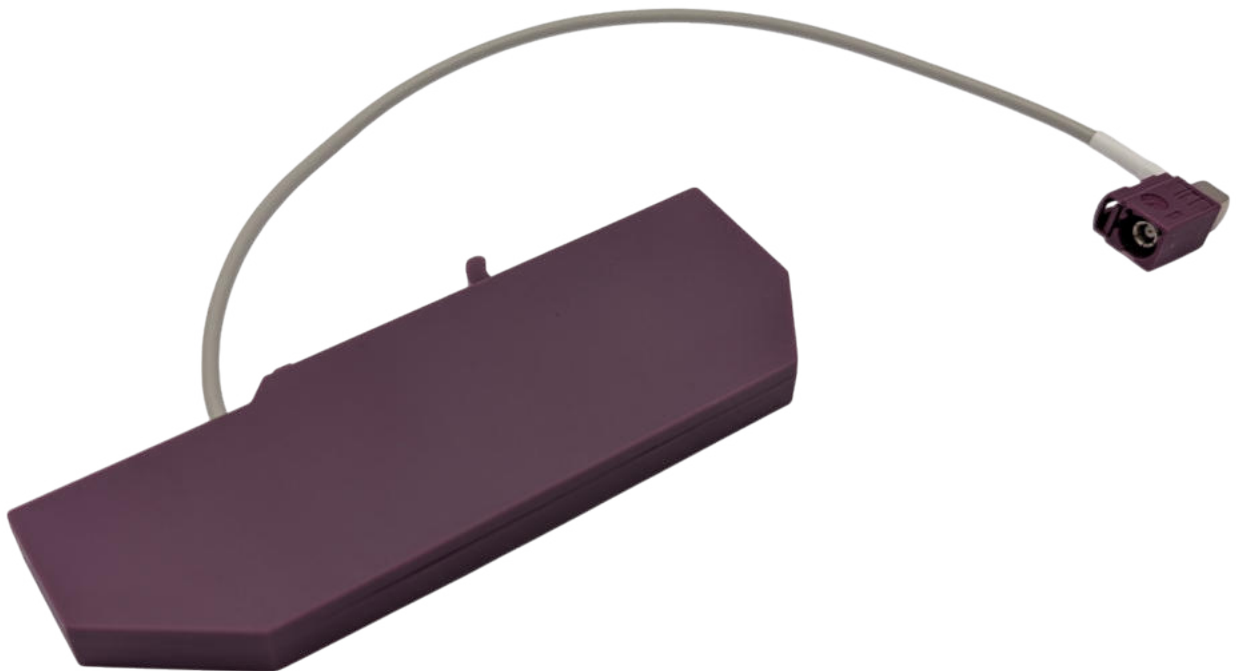


# LTE DIN Rail Antenna (FAKRA, burgundy)

TECHNICAL DATA SHEET

**ENQT**  
EXPERTS IN NETWORK  
QUALITY TESTING



Do you have questions about  
our products?

 +49 40 35 73 20 65

 [vertrieb@enqt.de](mailto:vertrieb@enqt.de)

## Description:

The **LTE Din Rail Antenna** can be used to cover all 4 common LTE frequency ranges as well as 2G and 3G networks. It is ideal for installation in meter cabinets, control cabinets and industrial installations.

## Technical details:

<b>Part number</b>	12J-J002-AK-01
<b>Frequency range</b>	690-960 MHz, 1710-2170 MHz, 2500-3800 MHz
<b>supported LTE bands</b>	1-10, 12-14, 17-20, 22, 25-29, 33-39, 42-44, 48, 49, 52, 67-69, 85, 103, 106, 111
<b>Antenna gain max.</b>	690 - 960 MHz: 3 dBi 1710-2170 MHz: 4 dBi 2170-3800 MHz: 4 dBi
<b>Antenna gain min.</b>	690 - 960 MHz: 2 dBi 1710-2170 MHz: 2 dBi 2170-3800 MHz: 2 dBi
<b>Standing wave ratio<sup>1</sup> (VSWR)</b>	< 2:1 (all bands)
<b>Impedance</b>	50 Ω
<b>Efficiency<sup>1</sup></b>	> 50%
<b>Polarization</b>	Vertical (if mounted vertically)
<b>Antenna type</b>	PCB Patch
<b>Radiation pattern</b>	omnidirectional (in free space)
<b>Power (max.)</b>	5 W
<b>Cable</b>	low-loss AA100
<b>Cable length</b>	0.25 m
<b>Connector</b>	FAKRA D female right angle
<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>Flammability</b>	V0
<b>Product lifetime</b>	> 20 years
<b>Weight</b>	46 g

<b>Material</b>	PCB substrate / Cu / Nylon
<b>Conformity</b>	ROHS / CE
<b>Color</b>	burgundy
<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