

# Wide Range RFID UHF Antenna

## WIRA-30-linear-ETSI

### Order-No. 52010248

**Technical features:**

- compact design for ruggedized environmental applications
- read range \*: up to 10 m
- ideal solution for toll collect applications
- different far field half-power beam widths in azimuth and elevation plane
- suitable for bulk and single tag applications
- high IP 65 degree of protection
- suitable for outdoor use



\* depending on tag properties, environment and requirements

Order-No.		52010248
Frequency range	MHz	865-868
Polarization		linear
Antenna gain	dBi	typ. 11
VSWR		< 1.3:1
Impedance	Ω	50
Front-to-back ratio	dB	> 20
max. radiated power (ETSI EN 302 208)	dBm	+33 ERP
Far field half-power beam width (if mounted like picture)	°	30 vertical 70 horizontal
Connection		N female
Operating temperature range	°C	-20 to +55
Storage temperature range	°C	-40 to +85
Degree of protection		IP 65
Weight	kg	3.7
Dimensions (without brackets) (L x W x H)	mm	557 x 270 x 58.5
Packing size (L x W x H)	mm	762 x 356 x 203

**Material:**

- Antenna cover: Fibreglass radome, UV resistance, gray
- Chassis: Stainless steel
- Patch plate: Brass tin-plated
- Antenna support: Aluminium
- Seals: Thermoplastic elastomer

**Accessories (optional):**

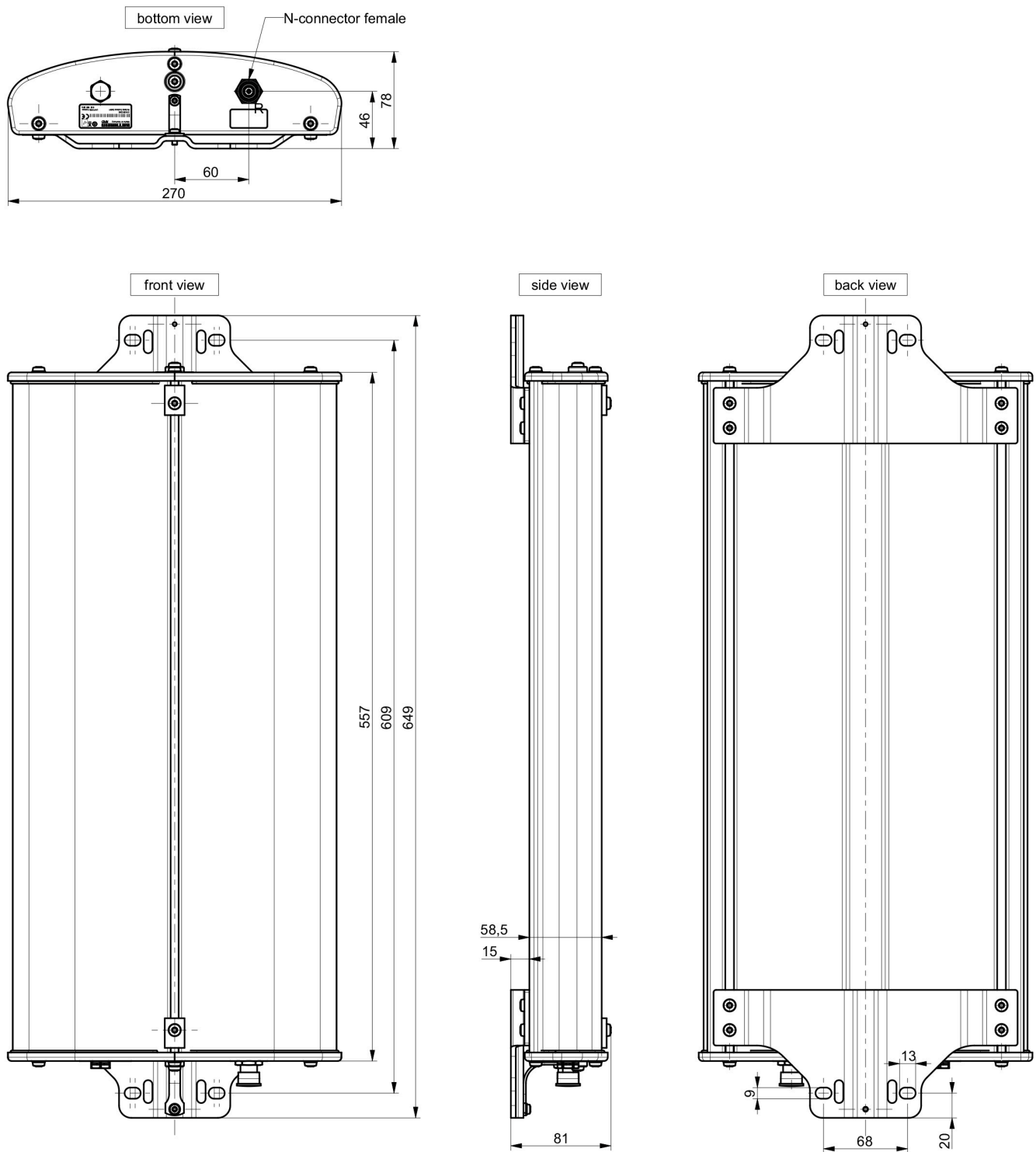
- mast bracket (Order-No. 52010005), mounting kit for outdoor use



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**KATHREIN**  
RFID

Dimensions in [mm]:



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