

Wide Range RFID UHF Antenna

WIRA-30-circular-FCC

Order-No. 52010087

Technical features:

- compact design for ruggedized environmental applications
- low axial ratio for optimum performance
- read range *: up to 18 m
- ideal solution for portal 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.		52010087
Frequency range	MHz	902-928
Polarization		circular
Antenna gain	dBiC/dBi	typ. 11 / 8
Axial ratio	dB	< 2
VSWR		< 1.2:1
Impedance	Ω	50
Front-to-back ratio	dB	> 20
max. input power (FCC 15.247)	dBm	+28 (at antenna port)
max. radiated power (FCC 15.247)	dBm	+36 EIRP
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):

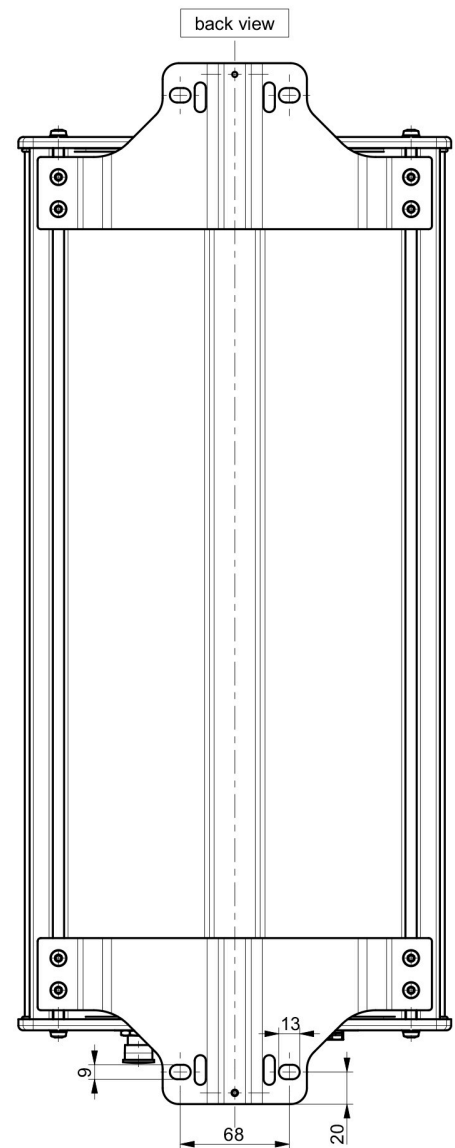
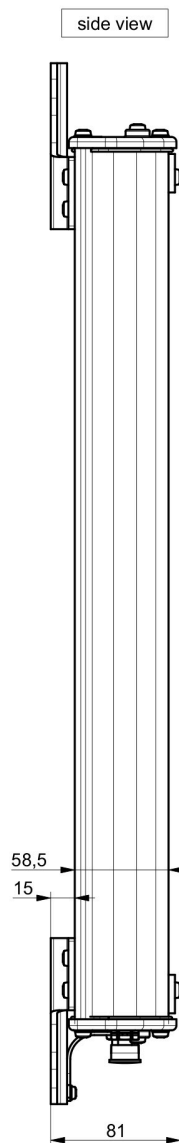
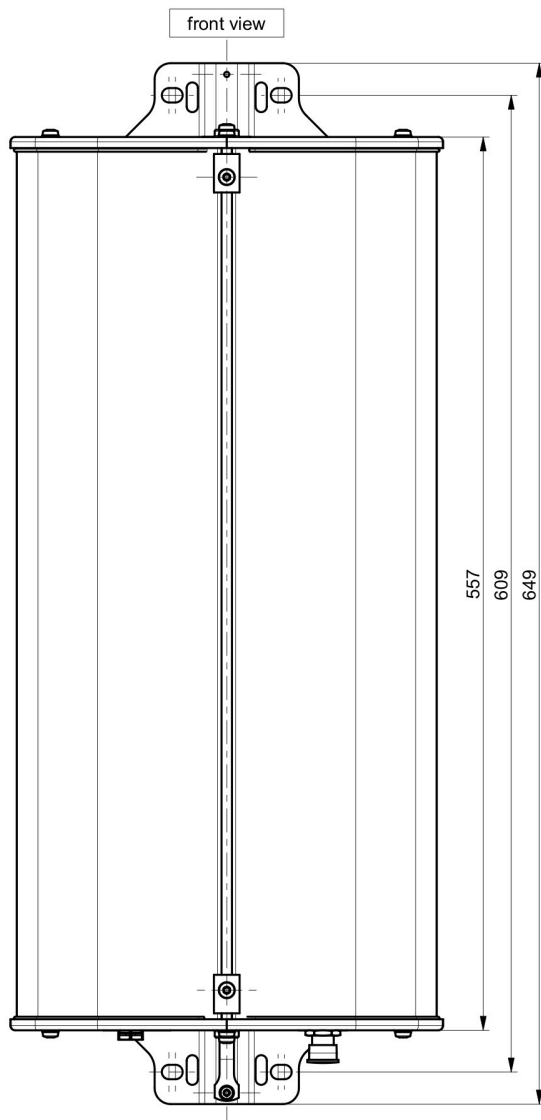
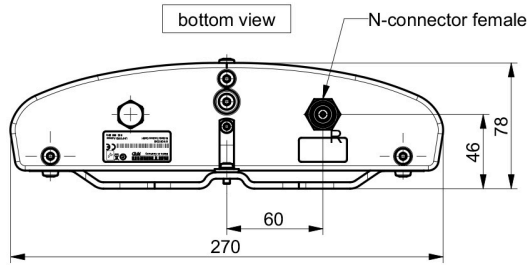
- mast bracket (Order-No. 52010005), mounting kit for outdoor use



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KATHREIN
RFID

Dimensions in [mm]:



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