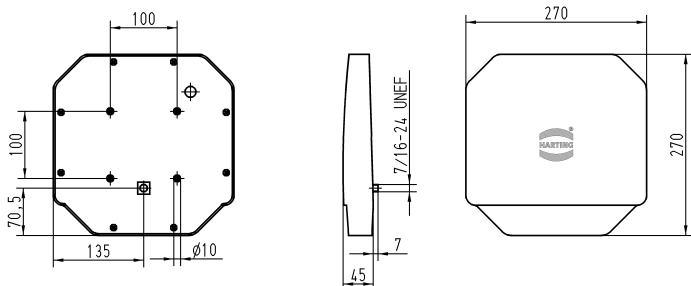




## Ha-VIS RF-ANT-WR30-US

### Planar RFID antenna

| Identification                 | Part number    | Drawing                                                                            | Dimensions in mm |
|--------------------------------|----------------|------------------------------------------------------------------------------------|------------------|
| Ha-VIS RF-ANT-WR30-US          | 20 93 201 0103 |  |                  |
| <b>Recommended accessories</b> |                |                                                                                    |                  |
| <b>Antenna cables</b>          |                |                                                                                    |                  |
| Ha-VIS Coax ...                |                |                                                                                    |                  |
| ... SMA-TNC, RG58              | 3 m            | 20 93 204 0101                                                                     |                  |
| ... SMA-TNC, LL240flex         | 3 m            | 20 93 204 0102                                                                     |                  |
| ... SMA-TNC, LL240flex         | 10 m           | 20 93 204 0103                                                                     |                  |
| <b>Antenna mounting kit</b>    |                |                                                                                    |                  |
| Ha-VIS RF-MOUNT-ANT-A          | 20 93 102 0103 |                                                                                    |                  |

All data represent the current state of development at the time of print and are therefore non-binding.

HARTING reserves the right to modify designs without prior notice.

## Technical characteristics

### Electric properties

|                                 |                    |
|---------------------------------|--------------------|
| Frequency range                 | 902 ... 928 MHz    |
| Impedance                       | 50 Ohm             |
| VSWR                            | < 1.2:1            |
| Polarisation                    | Circular           |
| Gain                            | 8.3 dBic @ 866 MHz |
| Far field half-power beam width | 69°                |
| Front to back ratio             | > 18 dB            |
| Axial ratio                     | typ. 1 dB          |
| Max. power (FCC 15.247)         | 4 W EIRP           |
| Connection                      | TNC socket         |

### Mechanical properties

|                             |                                        |
|-----------------------------|----------------------------------------|
| Dimensions (B x H x T)      | 270 x 270 x 45 mm                      |
| Weight                      | 1.7 kg                                 |
| Degree of protection        | IP 65                                  |
| Antenna cover               | Tough, weather-resistant polymer blend |
| Colour                      | RAL 7045 (light grey)                  |
| Chassis                     | Aluminium                              |
| Installation                | Four M5 drill holes 100 x 100 mm       |
| Operating temperature range | -20 °C ... +55 °C                      |
| Storage temperature range   | -40 °C ... +85 °C                      |