

### product type designation



### ANT 30 antenna stainless steel, without cable

SIMATIC RF300/RF200 antenna ANT 30, stainless steel -25 to +70 °C, IP65; thread M30x1.5, length 40 mm; without connection cable.

|                                                                       |                                                                                                                                         |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| suitability for operation                                             | RF250R / RF350R / RF350M                                                                                                                |
| <b>radio frequencies</b>                                              |                                                                                                                                         |
| transmission frequency / rated value                                  | 13.56 MHz                                                                                                                               |
| <b>electrical data</b>                                                |                                                                                                                                         |
| type of electrical connection / of the antenna                        | M8, 4-pin                                                                                                                               |
| design of plug-in connection                                          | female                                                                                                                                  |
| <b>mechanical data</b>                                                |                                                                                                                                         |
| material                                                              | Stainless steel V2A                                                                                                                     |
| color                                                                 | Silver                                                                                                                                  |
| tightening torque / of the screw for securing the equipment / maximum | 3 N·m                                                                                                                                   |
| mounting distance                                                     |                                                                                                                                         |
| • relating to metal surfaces / recommended / minimum                  | 0 m                                                                                                                                     |
| <b>ambient conditions</b>                                             |                                                                                                                                         |
| ambient temperature                                                   |                                                                                                                                         |
| • during operation                                                    | -25 ... +70 °C                                                                                                                          |
| • during storage                                                      | -40 ... +85 °C                                                                                                                          |
| • during transport                                                    | -40 ... +85 °C                                                                                                                          |
| protection class IP                                                   | IP67                                                                                                                                    |
| shock acceleration                                                    | 500 m/s <sup>2</sup>                                                                                                                    |
| vibrational acceleration                                              | 200 m/s <sup>2</sup>                                                                                                                    |
| <b>design, dimensions and weights</b>                                 |                                                                                                                                         |
| depth                                                                 | 40 mm                                                                                                                                   |
| diameter                                                              | 30 mm                                                                                                                                   |
| net weight                                                            | 95 g                                                                                                                                    |
| fastening method                                                      | 2 x stainless steel nuts M30 x 1.5                                                                                                      |
| <b>standards, specifications, approvals</b>                           |                                                                                                                                         |
| certificate of suitability                                            | CE, cULus                                                                                                                               |
| certificate of suitability                                            |                                                                                                                                         |
| • IECEx                                                               | Yes                                                                                                                                     |
| • for IECEx / as marking                                              | the ATEX approval of the connected reader applies                                                                                       |
| reference code / according to IEC 81346-2:2019                        | TFB                                                                                                                                     |
| <b>accessories</b>                                                    |                                                                                                                                         |
| accessories                                                           | Antenna cable                                                                                                                           |
| <b>further information / internet links</b>                           |                                                                                                                                         |
| internet link                                                         |                                                                                                                                         |
| • to website: Selection guide for cables and connectors               | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> |
| • to web page: selection aid TIA Selection Tool                       | <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>                                                         |
| • to web page: RFID country approval                                  | <a href="https://www.siemens.com/rfid-approvals">https://www.siemens.com/rfid-approvals</a>                                             |

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security information

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