

|                                 |                                                                                                                                                                                                                                                                                                                   |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product type designation</b> | <b>RF630L transponder</b><br>SIMATIC RF630L(SPECIAL VERSION) SmartLabel PET; 80x 26 mm; highly adhesive to plastic ISO 18000-6C, EPC Class 1 GEN 2 Frequency 860 up to 960 MHz, Chip type NXP G2iL, 128 Bit EPC Memory w/o add-on memory kerneldiameter 76 mm 3500 PCS per each roll Min. order quantity 7000 PCS |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Wireless frequencies |                 |
|----------------------|-----------------|
| Operating frequency  | 860 ... 960 MHz |

| Electrical data                                   |                                                                                                                                                                                                                               |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range / maximum                                   | 4 m; observe system manual RF600: overrange is possible, range is reader dependent: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a> |
| Protocol / with radio transmission                | EPCglobal Class 1 Gen 2 / ISO 18000-6C                                                                                                                                                                                        |
| Transfer rate / with radio transmission / maximum | 320 kbit/s                                                                                                                                                                                                                    |
| Product feature / multitag-capable                | Yes                                                                                                                                                                                                                           |
| Polarization                                      | Linear                                                                                                                                                                                                                        |
| Product component / Backup battery                | No                                                                                                                                                                                                                            |

| Memory                                                               |                                                           |
|----------------------------------------------------------------------|-----------------------------------------------------------|
| Type of memory                                                       | EEPROM                                                    |
| Storage capacity / of the user memory                                | 16 byte                                                   |
| Type of memory organization                                          | EPC memory 128 bits, TID memory 8 bytes                   |
| Number of read cycles / at ambient temperature < 40 °C / maximum     | 100000000000000                                           |
| Number of write cycles / at ambient temperature < 40 °C / maximum    | 100000                                                    |
| Data retention time / at ambient temperature < 40 °C / not less than | 30 y                                                      |
| Property of memory                                                   | lock, unlock, kill, write protection, password protection |
| Type of transponder chip used                                        | NXP G2iL                                                  |

| Mechanical data                                                        |       |
|------------------------------------------------------------------------|-------|
| Material                                                               | PET   |
| Color                                                                  | white |
| Mounting distance / relating to metal surfaces / recommended / minimum | 3 mm  |

| Permitted ambient conditions                                                  |                 |
|-------------------------------------------------------------------------------|-----------------|
| Ambient temperature                                                           |                 |
| <ul style="list-style-type: none"> <li>during read/write access</li> </ul>    | -25 ... +85 °C  |
| <ul style="list-style-type: none"> <li>outside the read/write area</li> </ul> | -40 ... +120 °C |

|                                 |                                                      |
|---------------------------------|------------------------------------------------------|
| • during storage                | 5 ... 25 °C                                          |
| Protection class IP             | IP67, when adhered                                   |
| Resistance to mechanical stress | Torsion and bending stress conditionally permissible |

### Design, dimensions and weight

|               |                   |
|---------------|-------------------|
| Width         | 26 mm             |
| Height        | 0.3 mm            |
| Depth         | 80 mm             |
| Net weight    | 1 g               |
| Mounting type | one-side adhesive |

### Product properties, functions, components / general

|                  |                          |
|------------------|--------------------------|
| Product feature  |                          |
| • printable      | Yes                      |
| Printing process | Thermal transfer process |

### Accessories

### Further Information / Internet Links

|                                                   |                                                                                                                                       |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Internet-Link                                     |                                                                                                                                       |
| • to website: Selector SIMATIC NET SELECTION TOOL | <a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a> |
| • to website: Industrial communication            | <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>                                                     |
| • to website: Industry Mall                       | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                                                     |
| • to website: Information and Download Center     | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>                                   |
| • to website: Image database                      | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>                                               |
| • to website: CAx Download Manager                | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                                                   |
| • to website: Industry Online Support             | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>                                               |

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