

### product type designation

### Transponder RF1100T configuration

SIMATIC RF1000, transponder RF1100T for the configuration of all RF1000 reader; MIFARE DESFire EV2 IP67, -25 ... +60°C, 85x 54x 0.8 mm minimum order quantity 5;



### suitability for operation

to copy a previously created configuration on RF1000 reader

### radio frequencies

operating frequency / rated value	13.56 MHz
range / maximum	50 mm; Range depends on reader
protocol / with radio transmission	ISO 14443-A
transfer rate / with radio transmission / maximum	106 kbit/s
product feature / multitag-capable	No

### electrical data

product component / backup battery	No
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### memory

type of memory	EEPROM
storage capacity / of the user memory	8000 byte
type of memory organization	UID (fixed code) 7 bytes, user memory 8000 bytes (encrypted, configuration can only be created with special tool)
number of read cycles / at ambient temperature < 40 °C / maximum	100000000000000
number of write cycles / at ambient temperature < 40 °C / maximum	1000000
data retention time / at ambient temperature < 40 °C / not less than	10 y
type of transponder chip used	MIFARE DESFire EV2

### mechanical data

material	PVC
color	white
mounting distance / relating to metal surfaces / recommended / minimum	20 mm

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during read/write access</li> <li>outside the read/write area</li> <li>during storage</li> </ul>	<p>-25 ... +60 °C</p> <p>-25 ... +60 °C</p> <p>-25 ... +60 °C</p>
protection class IP	IP67

### design, dimensions and weights

width	54 mm
height	0.8 mm
depth	86 mm
net weight	6 g

### product features, product functions, product components / general

product feature	
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• printable	Yes
printing process	handwriting with pen
<b>standards, specifications, approvals</b>	
certificate of suitability	
• IECEX	No
<b>further information / internet-Links</b>	
Internet-Link	
• to web page: selection aid TIA 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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