SIEMENS

Data sheet 6GT2800-5DA00

Product type designation

RF380T transponder

SIMATIC RF300 TRANSPONDER RF380T HEAT-PROOF, 32 KB FRAM, IP 68, -25 UP TO MAX. +220 DGR/C CYCLIC, D=114 MM, H=83 MM



Wireless frequencies		
Operating frequency / Rated value	13.56 MHz	
Electrical data		
Range / maximum	160 mm; range is reader dependent: observe	
	http://support.automation.siemens.com/WW/view/en/67384964	
Protocol / with radio transmission	RF300-specific	
Transfer rate / with radio transmission / maximum	106 kbit/s	
Product feature / multitag-capable	Yes	
Product component / Backup battery	No	
Memory		
Type of memory	FRAM/EEPROM	
Storage capacity / of the user memory	32765 byte	
Type of memory organization	UID (fixed code) 4 bytes, user memory 32765 bytes, OTP memory	
	20 bytes	
Number of read cycles / at ambient temperature < 40	1000000000	
°C / maximum		
Number of write cycles / at ambient temperature < 40	1000000000	
°C / maximum		

Property of memory Mechanical data Material PPS Color brown Mounting distance / relating to metal surfaces / recommended / minimum Permitted ambient conditions Ambient temperature • during read/write access • outside the read/write area • during storage -40 +110 °C Ambient condition / for operation Cyclic operation at ambient temperature >110 °C Protection class IP IP68 Shock resistance According to DIN EN 60721-3-7 Class 7 M3 Shock acceleration 500 m/s² Vibrational acceleration 200 m/s² Design, dimensions and weight Height 83 mm Diameter 114 mm Net weight 900 g Mounting type mount (see accessories) Product properties, functions, components / general Product feature • silicon-free Yes • printable Standards, specifications, approvals Certificate of suitability Ex: II 3G Ex nC IIB T5	maman/	
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Color Mounting distance / relating to metal surfaces / recommended / minimum Permitted ambient conditions Ambient temperature • during read/write access • outside the read/write area • during storage Ambient condition / for operation Protection class IP Shock resistance Shock acceleration Shock acceleration Design, dimensions and weight Height Diameter Net weight Product properties, functions, components / general Product feature • silicon-free • printable Standards, specifications, approvals	data	
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Vibrational acceleration Design, dimensions and weight Height Base mm Diameter 114 mm Net weight 900 g Mounting type mount (see accessories) Product properties, functions, components / general Product feature • silicon-free • printable Standards, specifications, approvals	tance A	According to DIN EN 60721-3-7 Class 7 M3
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Height 83 mm Diameter 114 mm Net weight 900 g Mounting type mount (see accessories) Product properties, functions, components / general Product feature • silicon-free • printable Standards, specifications, approvals	acceleration 2	200 m/s²
Height 83 mm Diameter 114 mm Net weight 900 g Mounting type mount (see accessories) Product properties, functions, components / general Product feature • silicon-free • printable Standards, specifications, approvals	ensions and weight	
Net weight Mounting type Product properties, functions, components / general Product feature • silicon-free • printable Standards, specifications, approvals		33 mm
Mounting type mount (see accessories) Product properties, functions, components / general Product feature • silicon-free • printable Standards, specifications, approvals	1	114 mm
Product properties, functions, components / general Product feature • silicon-free • printable Standards, specifications, approvals	9	900 g
Product feature • silicon-free • printable Standards, specifications, approvals	pe n	mount (see accessories)
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Certificate of suitability Ex: II 3G Ex nC IIB T5	specifications, approvals	
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MTBF 1200 y	1	1200 y
Accessories		
accessories Skid holder, shrouding cover, universal holder	,	Skid holder, shrouding cover, universal holder
Further Information / Internet Links		
Internet-Link		
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