

Product-type designation	
	
RF610T transponder SIMATIC RF610T SPECIAL VERSION ISO CARD;PVC; 86 X 54 X 0.4 MM ATEX ZONE 2/22 ISO 18000-6C, EPC CLASS 1 GEN 2 FREQUENCY 860 UP TO 928 MHZ CHIP TYPE, NXP G2XM EPC 240 BIT 64 BYTE ADD-ON MEMORY -25 UP TO +85 DGR/C; MINIMAL ORDER QUANTITY 1000 PCS	
Suitability for installation	RF600
Wireless frequencies	
Operating frequency	860 ... 960 MHz
Electrical data	
Range	
• maximum	5 m
Protocol / for radio transmission	EPCglobal Class 1 Gen 2 / ISO 18000-6C
Transfer rate / with radio transmission / maximum	320 kbit/s
Product property / multitag-capable	Yes
Polarization	Linear
Product component / Buffer battery	No
Memory	
Type of memory	EEPROM
Memory capacity / of user memory	64 byte
Type of memory organization	EPC memory 96/240 bits, user memory 64 bytes (512 bits), TID memory 8 bytes
Number of read cycles / at ambient temperature < 40 °C / maximum	1000000000000000
Number of write cycles / at ambient temperature < 40 °C / maximum	100000
Data retention time / at ambient temperature < 40°C / at least	10 a
Mechanical data	

Material	PVC, food-safe
Color	white
Mounting distance / for metal surfaces / recommended / minimum	3 mm
Permitted ambient conditions	
Ambient temperature	
• during read/write access	-25 ... +85 °C
• outside the read/write area	-40 ... +85 °C
• during storage	-40 +85 °C
Protection class IP	IP67
Resistance against shock	According to DIN EN 60721-3-7 Class 7 M3
Resistance against shock	1000 m/s ²
Resistance against vibration	500 m/s ²
Mechanical stress resistance	Torsion and bending stress conditionally permissible
Design, dimensions and weight	
Width	54 mm
Height	0.4 mm
Depth	86 mm
Net weight	3 g
Product properties, functions, components / general	
Product property / printable	Yes
Printing process	Thermal transfer process
Standards, specifications, approvals	
Verification of suitability	Ex: II 3 G Ex ic IIB T6 to T4, II 3 D Ex ic IIIB T120°C, -25 °C < Ta < +85 °C
MTBF	1712 a
Accessories	Fixing pocket, spacer
letzte Änderung:	Jul 21, 2014