SIEMENS

Data sheet 6GT2600-5AK00

product type designation	**MDS D528 transponder**
	transponder MDS D528 for RF200/RF300 Gen2, screw transponder M8 long, ISO 15693, chip type FUJITSU MB89R112, 8192-byte FRAM user memory 24x 20 mm (DxH); SW22; Minimum order quantity 5 units.



suitability for operation	RF200, RF300
product brand name	SIMATIC RF
Technical Product Detail Page	https://i.siemens.com/1P6GT2600-5AK00
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	80 mm; range is reader dependent: observe http://support.automation.siemens.com/WW/view/en/67384964
protocol / with radio transmission	ISO 15693
transfer rate / with radio transmission / maximum	26.5 kbit/s
product feature / multitag-capable	Yes
electrical data	
product component / backup battery	No
memory	
type of memory	FRAM
storage capacity / of the user memory	8192 byte
type of memory organization	UID (fixed code) 8 bytes, user memory 8192 bytes, configuration memory 40 bytes
number of read cycles / at ambient temperature < 40 °C / maximum	1E+12
number of write cycles / at ambient temperature < 40 °C / maximum	1E+12
data retention time / at ambient temperature < 40 °C / not less than	10 a
property of memory	Block-by-block write protection of the user memory
type of transponder chip used	Fujitsu MB89R112
mechanical data	
material	PA6.6 GF / stainless steel
color	black / silver
tightening torque / of the screw for securing the equipment / maximum	6 N·m
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
ambient conditions	
ambient temperature	
• during read/write access	-25 ... +85 °C
• outside the read/write area	-40 ... +125 °C
• during storage	-40 ... +125 °C
protection class IP	IP68/IPx9K
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	500 m/s²

Subject to change without notice
© Copyright Siemens

vibrational acceleration	200 m/s²
design, dimensions and weights	
height	20 mm
diameter	18 mm
net weight	35 g
fastening method	screwing (M8)
product features, product functions, product components / general	
product feature	
● silicon-free	Yes
● printable	No
standards, specifications, approvals	
certificate of suitability	
● IECEx	No
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: identification and localization systems	https://www.siemens.com/ident
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

UKCA	CE EG-Konf.	EAC	China RoHS	Manufacturer Declaration	Manufacturer Declaration

last modified: 3/10/2026

© Copyright Siemens