SIEMENS

Data sheet 6GT2600-4AG00

Product type designation



MDS D425 transponder

TRANSPONDER MDS D425 FOR RF200/ RF300 ISO/ MOBY D SCREW TRANSPONDER M6 SHORT ISO 15693 CHIP TYPE,FUJITSU MB89R118, 2000 BYTE FRAM USER MEMORY 24 X 10 MM (DXH); SW22; -25 UP TO +85 DGR; MINIMAL ORDER QUANTITY 5 PCS

Wireless frequencies	
Operating frequency / Rated value	13.56 MHz
Electrical data	
Range / maximum	50 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 property / multitag-capable	Yes
Product component / Backup battery	No
Memory	
Type of memory	FRAM
Storage capacity / of the user memory	2000 byte
Type of memory organization	UID (fixed code) 8 bytes, user memory 2000 bytes, configuration memory 40 bytes
Number of read cycles / at ambient temperature < 40 °C / maximum	1000000000
Number of write cycles / at ambient temperature < 40 °C / maximum	1000000000
Data retention time / at ambient temperature < 40 °C / not less than	10 y
Property of memory	Block-by-block write protection of the user memory
Type of transponder chip used	Fujitsu MB89R118

Material

PA6.6 GF / stainless steel

Tightening torque / of the screw for securing the equipment / maximum Mounting distance / relating to metal surfaces / recommended / minimum Permitted ambient conditions Ambient temperature • during read/write access • outside the read/write area • during storage • Diese / Design, dimensions and weight Height Diameter Net weight Nounting type Product properties, functions, components / general Product property • silicon-free • printable MTBF Mounting type 228 y O mm 6 N·m 6 N·		
equipment / maximum Mounting distance / relating to metal surfaces / recommended / minimum Permitted ambient conditions Ambient temperature • during read/write access • during storage • According to DIN EN 60721-3-7 Class 7 M3 Shock resistance Shock acceleration • 500 m/s² Shock acceleration • 200 m/s² Design, dimensions and weight Height Diameter 24 mm Net weight 35 g Mounting type screwing (M6) Product properties, functions, components / general Product property • silicon-free • printable No Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall	Color	black / silver
Permitted ambient conditions Ambient temperature • during read/write access • outside the read/write area • during storage • during storage -40 +125 °C • outside storage -40 +125 °C Protection class IP Shock resistance According to DIN EN 60721-3-7 Class 7 M3 Shock acceleration 500 m/s² Resistance against vibration 200 m/s² Pesign, dimensions and weight Height 10 mm Diameter 24 mm Net weight 35 g Mounting type Screwing (M6) Product properties, functions, components / general Product properties • printable No Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industry Mall http://www.siemens.com/simatic-net • to website: Industry Mall http://www.siemens.com/simatic-net • to website: Industry Mall		6 N·m
Permitted ambient conditions Ambient temperature • during read/write access • outside the read/write area • during storage -40 +125 °C Protection class IP IP68 / IPx9K Shock resistance According to DIN EN 60721-3-7 Class 7 M3 Shock acceleration Soo m/s² Resistance against vibration 200 m/s² Design, dimensions and weight Height 10 mm Diameter 24 mm Net weight 35 g Mounting type Screwing (M6) Product properties, functions, components / general Product properties, functions, components / general Product properties, functions, approvals MTBF 228 y Standards, specifications, approvals MTBF 228 y Litther Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall http://www.siemens.com/sinatic-net http://www.siemens.com/sinatic-net http://www.siemens.com/sinatic-net http://www.siemens.com/sinatic-net http://www.siemens.com/sinatic-net	Mounting distance / relating to metal surfaces /	0 mm
Ambient temperature • during read/write access • outside the read/write area • during storage • during storage Protection class IP Product croperty • silicon-free • printable Product property • silicon-free • printable Protection class IP Protection class	recommended / minimum	
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Shock resistance Shock acceleration Shock acceleration Shock acceleration Shock acceleration Sou m/s² 200 m/s² 200 m/s² Design, dimensions and weight Height Diameter 24 mm Net weight 35 g Mounting type screwing (M6) Product properties, functions, components / general Product property • silicon-free • printable Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall According to DIN EN 60721-3-7 Class 7 M3 500 m/s² 200 m/s² 24 mm 25 g 26 mm 26 mm 26 mm 27 mm 28 mm 2	during storage	-40 +125 °C
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Resistance against vibration 200 m/s² Design, dimensions and weight Height Diameter 24 mm Net weight 35 g Mounting type screwing (M6) Product properties, functions, components / general Product property • silicon-free • printable No Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall http://www.siemens.com/simatic-net • to website: Industry Mall	Shock resistance	According to DIN EN 60721-3-7 Class 7 M3
Design, dimensions and weight Height Diameter 24 mm Net weight 35 g Mounting type Product properties, functions, components / general Product property • silicon-free • printable No Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall http://www.siemens.com/simatic-net https://www.siemens.com/simatic-net https://www.siemens.com/simatic-net https://www.siemens.com/simatic-net	Shock acceleration	500 m/s²
Height 10 mm Diameter 24 mm Net weight 35 g Mounting type screwing (M6) Product properties, functions, components / general Product property • silicon-free Yes • printable No Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall http://www.siemens.com/simatic-net • to website: Industry Mall	Resistance against vibration	200 m/s²
Diameter Diameter Net weight 35 g Mounting type Screwing (M6) Product properties, functions, components / general Product property • silicon-free • printable No Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall http://www.siemens.com/simatic-net • to website: Industry Mall	Design, dimensions and weight	
Net weight Mounting type Screwing (M6) Product properties, functions, components / general Product property Silicon-free printable No Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link to website: Selector SIMATIC NET SELECTION TOOL to website: Industrial communication to website: Industry Mall https://www.siemens.com/simatic-net https://www.siemens.com/simatic-net https://mall.industry.siemens.com	Height	10 mm
Product properties, functions, components / general Product property • silicon-free • printable Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall screwing (M6) Yes No 128 Hes Authorized Autho	Diameter	24 mm
Product properties, functions, components / general Product property • silicon-free • printable No Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall https://www.siemens.com/simatic-net https://www.siemens.com/	Net weight	35 g
Product property • silicon-free • printable No Standards, specifications, approvals MTBF 228 y Further Information / Internet Links Internet-Link • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall https://www.siemens.com/simatic-net https://wall.industry.siemens.com	Mounting type	screwing (M6)
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	• to website: Industrial communication	http://www.siemens.com/simatic-net
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		http://www.siemens.com/automation/net/catalog

last modified: 09.03.2015

• to website: Image database

• to website: CAx Download Manager

• to website: Industry Online Support

http://automation.siemens.com/bilddb

https://support.industry.siemens.com

http://www.siemens.com/cax