



transponder MDS D426S 30x3 mm (DxH) ISO 15693 13.56 MHz user memory 2000-byte FRAM Fujitsu MB89R118 mounting screw M4 not printable -40 to +90 °C IP68 / IPX9K range 280 mm MOQ 50

suitability for operation	RF200, RF300, MOBY D
<b>radio frequencies</b>	
operating frequency / rated value	13.56 MHz
range / maximum	0.28 m; observe system manual RF600: overrange is possible, range is reader dependent: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
protocol / with radio transmission	ISO 15693
product feature / multitag-capable	Yes
<b>electrical data</b>	
product component / backup battery	No
<b>memory</b>	
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	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 MB89R118
<b>mechanical data</b>	
material	PA6-GF
color	black
tightening torque / of the screw for securing the equipment / maximum	1 N·m
mounting distance / relating to metal surfaces / recommended / minimum	15 mm
<b>ambient conditions</b>	
ambient temperature	
• during read/write access	-20 ... +85 °C
• outside the read/write area	-40 ... +90 °C
• during storage	-20 ... +85 °C
protection class IP	IP68/IPX9K
shock resistance	according to IEC 68-2-27
shock acceleration	400 m/s <sup>2</sup>
vibrational acceleration	100 m/s <sup>2</sup>
resistance to mechanical stress	Torsion and bending stress not permissible
<b>design, dimensions and weights</b>	
height	3 mm

diameter	30 mm
net weight	3 g
fastening method	screw, bond
<b>product features, product functions, product components / general</b>	
product feature	
• silicon-free	Yes
• printable	No
<b>standards, specifications, approvals</b>	
certificate of suitability	
• IECEx	No
reference code	
• according to IEC 81346-2:2019	CFA
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: identification and localization systems	<a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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**Approvals / Certificates**

**General Product Approval**

[Manufacturer Declaration](#)

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