

MOBY E MOBILE DATA MEMORY MDS E623, PILL, 752 BYTE  
EEPROM, FOR FLUSH MOUNTING IN METAL IP 67, -25 TO +85  
DEGR/C, D=10 X 4.5 MM ACC. TO DIN 69873



Wireless frequencies	
Operating frequency / Rated value	13.56 MHz
Electrical data	
Range / maximum	5 mm
Transfer rate / with radio transmission / maximum	106 kbit/s
Product feature / multitag-capable	No
Product component / Backup battery	No
Memory	
Type of memory	EEPROM
Storage capacity / of the user memory	752 byte
Number of read cycles / at ambient temperature < 40 °C / maximum	1000000000000000
Number of write cycles / at ambient temperature < 40 °C / maximum	1000000
Data retention time / at ambient temperature < 40 °C / not less than	10 y
Mechanical data	
Material	Epoxy resin

Color	black
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm

#### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during read/write access</li> </ul>	-25 ... +85 °C
<ul style="list-style-type: none"> <li>outside the read/write area</li> </ul>	-40 ... +100 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +100 °C
Shock acceleration	1000 m/s <sup>2</sup>
Vibrational acceleration	200 m/s <sup>2</sup>

#### Design, dimensions and weight

Height	4.5 mm
Diameter	10 mm
Net weight	4 g

#### Product properties, functions, components / general

Product feature	
<ul style="list-style-type: none"> <li>silicon-free</li> </ul>	Yes
<ul style="list-style-type: none"> <li>printable</li> </ul>	No

#### Standards, specifications, approvals

MTBF	285 y
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#### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>
<ul style="list-style-type: none"> <li>to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>to website: CAx Download Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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