



## **Module, 6ES7138-6AA01-0BA0**

URL:<https://www.sxplc.com/module-6es7138-6aa01-0ba0>

**Product data sheet**

General information	
Product type designation	TM Count 1x24V
Firmware version	V2.0
<ul style="list-style-type: none"> <li>• FW update possible</li> </ul>	Yes
usable BaseUnits	BU type A0
Color code for module-specific color identification plate	CC00
Product function	
<ul style="list-style-type: none"> <li>• I&amp;M data</li> </ul>	Yes; I&M0 to I&M3
<ul style="list-style-type: none"> <li>• Isochronous mode</li> </ul>	Yes
Engineering with	
<ul style="list-style-type: none"> <li>• STEP 7 TIA Portal configurable/integrated from version</li> </ul>	STEP 7 V15 SP1 or higher
<ul style="list-style-type: none"> <li>• STEP 7 configurable/integrated from version</li> </ul>	V5.6 and higher
<ul style="list-style-type: none"> <li>• PROFIBUS from GSD version/GSD revision</li> </ul>	One GSD file each, Revision 3 and 5 and higher
<ul style="list-style-type: none"> <li>• PROFINET from GSD version/GSD revision</li> </ul>	GSDML V2.34
Supply voltage	
Rated value (DC)	24 V
Load voltage L+	
<ul style="list-style-type: none"> <li>• Rated value (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <li>• permissible range, lower limit (DC)</li> </ul>	19.2 V
<ul style="list-style-type: none"> <li>• permissible range, upper limit (DC)</li> </ul>	28.8 V
<ul style="list-style-type: none"> <li>• Reverse polarity protection</li> </ul>	Yes
Input current	
Current consumption, max.	60 mA; without load
Encoder supply	
Number of outputs	1
24 V encoder supply	
<ul style="list-style-type: none"> <li>• 24 V</li> </ul>	Yes; L+ (-0.8 V)
<ul style="list-style-type: none"> <li>• Short-circuit protection</li> </ul>	Yes; electronic/thermal
<ul style="list-style-type: none"> <li>• Output current, max.</li> </ul>	300 mA
Power loss	
Power loss, typ.	1 W
Address area	
Address space per module	
<ul style="list-style-type: none"> <li>• Inputs</li> </ul>	16 byte; 4 bytes in Fast mode
<ul style="list-style-type: none"> <li>• Outputs</li> </ul>	12 byte; 4 bytes for Motion Control, 0 bytes for Fast mode
Hardware configuration	
Automatic encoding	Yes
<ul style="list-style-type: none"> <li>• Mechanical coding element</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Type of mechanical coding element</li> </ul>	type B

