



## **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   |

