

\*\*\* SPARE PART\*\*\* SIMATIC SC,ELECTRONIC SUBMODULE 1  
 COUNT 40 KHZ COUNTER MODULE 24V DC COUNTING INPUT  
 24V DC DIRECTIONAL INPUT

### Supply voltage

#### Load voltage L+

- |                               |      |
|-------------------------------|------|
| • Rated value (DC)            | 24 V |
| • Reverse polarity protection | Yes  |

### Input current

from load voltage L+ (without load), max.	20 mA; approx.
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### Power loss

Power loss, max.	0.5 W
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### Digital inputs

Input characteristic curve in accordance with IEC 61131, type 1	Yes
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### Encoder

#### Connectable encoders

- |   |        |
|---|--------|
| • 2-wire sensor                                       | Yes    |
| — permissible quiescent current (2-wire sensor), max. | 1.5 mA |

### Interrupts/diagnostics/status information

Alarms	No
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Diagnostic functions	No
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#### Diagnostics indication LED

- |  |     |
|--|-----|
| • Status indicator backward counting (green) | Yes |
| • Status indicator forward counting (green)  | Yes |

### Counter

#### Counter input 24 V

- |                                      |                  |
|--------------------------------------|------------------|
| • Number                             | 1                |
| • Input voltage for signal "0"       | -3 to +5V        |
| • Input voltage for signal "1"       | +11 to +30V      |
| • Input current for signal "1", typ. | 6 mA; High-level |
| • Counting frequency, max.           | 40 kHz           |
| • Minimum pulse width                | 12.5 µs          |
| • Cable length, max.                 | 100 m            |

### Potential separation

Potential separation counter	
• between the channels	No
• between the channels and backplane bus	No
Permissible potential difference	
between different circuits	75 V DC/60 V AC
Dimensions	
Width	10 mm
Height	64 mm
Depth	51 mm
Weights	
Weight, approx.	15 g
<b>last modified:</b>	03/04/2017