

\*\*\* SPARE PART\*\*\* SIMATIC SC,ELECTRONIC SUBMODULE 2 DI,  
24 V DC; 8 PIECES PER PACKAGING UNIT

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
Power loss	
Power loss, typ.	0.4 W
Hardware configuration	
Rack	
• required terminal block	TB 16SC
Slots	
• required slots	1; from 8
Digital inputs	
Number of digital inputs	2
Input characteristic curve in accordance with IEC 61131, type 1	Yes
Number of simultaneously controllable inputs	
• Number of simultaneously controllable inputs	2
Input voltage	
• Rated value (DC)	24 V
• for signal "0"	-3 to +5V
• for signal "1"	13 to 30V
Input current	
• for signal "1", typ.	7 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", min.	1.2 ms
— at "0" to "1", max.	4.8 ms
— at "1" to "0", min.	1.2 ms
— at "1" to "0", max.	4.8 $\mu$ s
Cable length	
• shielded, max.	1 000 m
• unshielded, max.	600 m
Encoder	
Connectable encoders	
• 2-wire sensor	Yes

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

#### Interrupts/diagnostics/status information

Alarms No

Diagnostic functions No

#### Diagnostics indication LED

• Status indicator digital input (green) Yes

#### Potential separation

##### Potential separation digital inputs

• between the channels No

• between the channels and backplane bus No; Optocoupler

#### Permissible potential difference

between different circuits 75 V DC/60 V AC

#### Isolation

Isolation tested with 1500 V AC

#### Dimensions

Width 10 mm

Height 64 mm

Depth 51 mm

#### Weights

Weight, approx. 15 g

**last modified:** 08/12/2017