

## Data sheet for Sensor Modules

Article No. : 6SL3055-0AA00-5KA3



Figure similar

Client order no. :  
Order no. :  
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### Electrical data

#### Encoders which can be evaluated

Encoder frequency, max.	500 kHz
SSI baudrate	100 kBaud
Signal subdivision (interpolation), max.	16384 times 14 bit

### Connections

#### Conductor cross-section

Line side	According to connector contacts
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#### Version

Onboard position encoder interface	Absolute encoder EnDat2.1; SSI absolute encoder with incremental signals sin/cos 1 Vpp
Measuring system	17-pin M23 circular connector
Temperature sensor	6-pin M17 circular connector
Output	IP67 DRIVE-CLiQ connector
PE conductor	M4 screw/1.8 Nm

### Mechanical data

Degree of protection	IP67
Net weight	0.70 kg (1.54 lb)

#### Dimensions

Width	117.6 mm (4.63 in)
Height	43.1 mm (1.70 in)
Depth	127.0 mm (5.00 in)

### Rated data

#### Current drawn

Power requirement (DC 24 V) <sup>3)</sup>	0.16 A
Power requirement for fuse protection	Via DRIVE-CLiQ power supply source
Sensor supply for the onboard position encoder interface, at 5 V DC	0.35 A

### General technical specifications

Power loss, max.	4.5 W
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#### Line length, max.

for measuring system <sup>5)</sup>	3 m (9.84 ft)
for drive control	100 m (328.08 ft)

### Standards

Compliance with standards	cULus
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<sup>3)</sup>without considering encoder

<sup>5)</sup>The maximum cable length for the encoder system interface depends on the current consumption of the encoder system and the cross-section of the wires in the cable. However, the maximum length is 30 m.