SIEMENS

Data sheet for Sensor Modules

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



Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

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
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) [3)]	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
Line length, max.	
for measuring system [5)]	3 m (9.84 ft)
for drive control	100 m (328.08 ft)

Standards

Compliance with standards	cULus

[3)] without considering encoder

[5)] 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.