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.