MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6SL3055-0AA00-5CA2

SMC30 SENSOR MODULE CABINET MOUNTED

Used with the applicable SINAMICS S120 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Complete official manufacturer PDF follows this cover.

Source: Siemens official technical documentation for 6SL3055-0AA00-5CA2

SIEMENS

Data sheet for Sensor Modules

Article No. : **6SL3055-0AA00-5CA2**



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
Limit frequency, max.	500 kHz
SSI baudrate	100 ... 1,000 kBaud
Resolution absolute position SSI	30 bit

Connections

Conductor cross-section	
Line side	2.5 mm² (AWG 14)
Version	
Onboard position encoder interface	Incremental encoders TTL/HTL, SSI encoders with TTL/HTL incremental signals; SSI encoders without incremental signals
PE conductor	M4 screw

Mechanical data

Degree of protection	IP20 / UL open type
Net weight	0.45 kg (0.99 lb)
Dimensions	
Width	30.0 mm (1.18 in)
Height	150.0 mm (5.91 in)
Depth	111.0 mm (4.37 in)

Rated data

Current drawn	
Power requirement (DC 24 V) [3]	0.20 A
Power requirement for fuse protection	20 A
Sensor supply for the onboard position encoder interface, at 5 V DC	0.35 A
Sensor supply for the onboard position encoder interface, at 35 V DC	0.35 A
Input current	
for incremental encoder TTL	2 ... 10 A
for incremental encoder HTL	2 ... 10 A

General technical specifications

Power loss, max.	10.0 W
Line length, max.	
for incremental encoder TTL	100 m (328.08 ft)
for incremental encoder HTL, unipolar	100 m (328.08 ft)
for incremental encoder HTL, bipolar [4]	300 m (984.25 ft)
for absolute encoder SSI	100 m (328.08 ft)

Standards

Compliance with standards	cULus

[3] without considering encoder

[4] TTL only bipolar signals; for bipolar signals, the signal lines must be twisted in pairs and shielded