

\*\*\*SPARE PART\*\*\* SIPLUS S7-300 SM334 - 20-POLE -25 ... +60  
 DGR C WITH CONFORMAL COATING BASED ON 6ES7334-  
 0KE00-0AB0



Figure similar

Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• Reverse polarity protection	Yes
Input current	
from supply and load voltage L+ (without load), max.	80 mA
from backplane bus 5 V DC, max.	60 mA
Power loss	
Power loss, typ.	2 W
Analog inputs	
Number of analog inputs	4
• For voltage measurement	2
• For resistance measurement	4
permissible input voltage for voltage input (destruction limit), max.	20 V; continuous; 75 V for max. 1 s (mark to space ratio 1:20)
Cycle time (all channels) max.	85 ms

Input ranges	
• Voltage	Yes
• Current	No
• Thermocouple	No
• Resistance thermometer	Yes
• Resistance	Yes
Input ranges (rated values), voltages	
• 0 to +10 V	Yes
• Input resistance (0 to 10 V)	100 k $\Omega$
Input ranges (rated values), resistance thermometer	
• Pt 100	Yes; only climatic range
Input ranges (rated values), resistors	
• 0 to 10000 ohms	Yes
Analog outputs	
Number of analog outputs	2
Voltage output, short-circuit protection	Yes
Voltage output, short-circuit current, max.	10 mA
Output ranges, voltage	
• 0 to 10 V	Yes
Load impedance (in rated range of output)	
• with voltage outputs, min.	2.5 k $\Omega$
• with voltage outputs, capacitive load, max.	1 $\mu$ F
Cable length	
• shielded, max.	100 m
Analog value generation for the inputs	
Integration and conversion time/resolution per channel	
• Resolution with overrange (bit including sign), max.	12 bit
• Integration time (ms)	16,67 / 20 ms
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	
• Resolution with overrange (bit including sign), max.	12 bit
Settling time	
• for resistive load	0.8 ms
• for capacitive load	0.8 ms
Encoder	
Connection of signal encoders	
• for resistance measurement with two-wire connection	Yes

- for resistance measurement with three-wire connection
- for resistance measurement with four-wire connection

Yes

Yes

### Errors/accuracies

#### Operational error limit in overall temperature range

- Voltage, relative to input range, (+/-) 0.7 %; 0 to 10V
- Resistance, relative to input range, (+/-) 3.5 %; 10 kOhm
- Resistance thermometer, relative to input range, (+/-) 1 %
- Voltage, relative to output range, (+/-) 1 %

#### Basic error limit (operational limit at 25 °C)

- Voltage, relative to input range, (+/-) 0.5 %; 0 to 10V
- Resistance, relative to input range, (+/-) 2.8 %; 10 kOhm
- Resistance thermometer, relative to input range, (+/-) 0.8 %
- Voltage, relative to output range, (+/-) 0.85 %

### Interrupts/diagnostics/status information

Alarms No

Diagnostic functions No

### Potential separation

#### Potential separation analog inputs

- between the channels and backplane bus Yes

#### Potential separation analog outputs

- between the channels and backplane bus Yes

### Isolation

Isolation tested with 500 V DC

### Connection method

required front connector 20-pin

### Dimensions

Width 40 mm

Height 125 mm

Depth 117 mm

### Weights

Weight, approx. 200 g

**last modified:** 05/31/2017