



SIPLUS S7-300 SM332 8AO HART -25 ... +60 DEGREES C
WITH CONFORMAL COATING BASED ON 6ES7332-8TF01
-0AB0 . ANALOG OUTPUT 8AO,
0/4 - 20mA HART,
FOR ET200M WITH IM153-2,
20 PIN FEATURES: FW UPDATE,
HART SECONDARY VARIABLES, REDUNDANCY,
LOCAL DIAGNOSTIC BUFFER WITH TIMESTAMP,
NECESSARY: PCS7 V7.0, SP1

Supply voltage	
Load voltage L+	
Rated value (DC)	24 V
Input current	
from load voltage L+ (without load), max.	350 mA
from backplane bus 5 V DC, max.	110 mA
Power loss	
Power loss, typ.	6 W
Analog outputs	
Number of analog outputs	8
Current output, no-load voltage, max.	24 V
Output ranges, current	
0 to 20 mA	Yes
-20 to +20 mA	No
4 to 20 mA	Yes
Load impedance (in rated range of output)	
with current outputs, max.	750 Ω
with current outputs, inductive load, max.	10 mH

Cable length	
Cable length, shielded, max.	800 m
Analog value generation	
Integration and conversion time/resolution per channel	
Resolution with overrange (bit including sign), max.	16 bit
Settling time	
for resistive load	0.1 ms
for inductive load	0.5 ms
Errors/accuracies	
Operational error limit in overall temperature range	
Current, relative to output area, (+/-)	0.2 % ; +/-0.4% @ <0 °C or >60 °C
Basic error limit (operational limit at 25 °C)	
Current, relative to output area, (+/-)	0.1 %
Interrupts/diagnostics/status information	
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Yes
Diagnostic messages	
Diagnostic information readable	Yes
Diagnostics	Yes
Diagnostics indication LED	
Group error SF (red)	Yes
Galvanic isolation	
Galvanic isolation analog outputs	
between the channels and the backplane bus	Yes
Isolation	
Isolation tested with	500 V DC
Standards, approvals, certificates	
CE mark	Yes
KC approval	Yes
UL approval	Yes ; File E239877
RCM (former C-TICK)	Yes
FM approval	Yes
EAC (former Gost-R)	Yes
Ambient conditions	
Operating temperature	
min.	-25 °C ; = Tmin
max.	60 °C ; = Tmax

Extended ambient conditions	
relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity	
with condensation, tested in accordance with IEC 60068-2-38, maximum	100 % ; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
to biologically active substances/conformity with EN 60721-3-3	Yes ; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation!
to chemically active substances/conformity with EN 60721-3-3	Yes ; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
to mechanically active substances/conformity with EN 60721-3-3	Yes ; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
Connection method	
required front connector	20-pin
Dimensions	
Width	40 mm
Height	125 mm
Depth	117 mm
Weights	
Weight, approx.	220 g
Status	Jul 7, 2014