SIEMENS

Data sheet

6ES7532-8TF00-0AB0



SIMATIC S7-1500, analog output module AQ 8xHART HF, 16-bit resolution, accuracy 0.2%, 8 channels in groups of 8 diagnostics, substitute values, delivery including infeed element, shielding bracket and shield terminal; front connector (screw terminals or push-in) to be ordered separately

General information		
Product type designation	AQ 8xHART HF	
HW functional status	From FS01	
Firmware version	V1.0.0	
• FW update possible	Yes	
Product function		
I&M data	Yes; I&M0 to I&M3	
Isochronous mode	No	
Prioritized startup	No	
Output range scalable	No	
Engineering with		
 STEP 7 TIA Portal configurable/integrated from version 	V18 and V19 with HSP0423	
 STEP 7 configurable/integrated from version 	V5.5 SP3 / -	
 PROFIBUS from GSD version/GSD revision 	V1.0 / V5.1	
 PROFINET from GSD version/GSD revision 	V 2.43 / -	
Operating mode		
Oversampling	No	
• MSO	Yes	
CiR - Configuration in RUN		
Reparameterization possible in RUN	Yes	
Calibration possible in RUN	Yes	
Supply voltage		
Rated value (DC)	24 V	
permissible range, lower limit (DC)	19.2 V	
permissible range, upper limit (DC)	28.8 V	
Reverse polarity protection	Yes	
Input current		
Current consumption (rated value)	280 mA; 8x 20 mA with 750 ohm load resistance	
Current consumption, max.	370 mA	
Power		
Power available from the backplane bus	0.6 W	
Power loss		
Power loss, typ.	4.8 W; 8x 20 mA with 750 ohm load resistance	
Analog outputs		
Number of analog outputs	8	
Current output, no-load voltage, max.	30 V	
Cycle time (all channels), min.	5 ms; independent of number of activated channels	
Output ranges, current		
• 0 to 10 mA	No	
• 0 to 20 mA	Yes	

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• for channel diagnostics Yes; red LED • for module diagnostics Yes; red LED Potential separation Potential separation channels • between the channels No • between the channels, in groups of 8 • between the channels and backplane bus Yes • between the channels and load voltage L+ Yes Permissible potential difference 60 V DC/30 V AC between different circuits 60 V DC/30 V AC Isolation 707 V DC (type test) Suitable for safety-related tripping of standard modules No product functions / security / header Yes		
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Suitable for safety-related tripping of standard modules No product functions / security / header Signed firmware update		707 V DC (type test)
product functions / security / header signed firmware update Yes	Standards, approvals, certificates	
signed firmware update Yes		No
	product functions / security / header	
data integrity No	signed firmware update	Yes
	data integrity	No

Ambient conditions	
Ambient temperature during operation	
 horizontal installation, min. 	-30 °C
 horizontal installation, max. 	60 °C
 vertical installation, min. 	-30 °C
 vertical installation, max. 	40 °C
Altitude during operation relating to sea level	
 Installation altitude above sea level, max. 	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Dimensions	
Width	35 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	300 g
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