## SIEMENS

## Data sheet

## 6ES7532-5NB00-0AB0



SIMATIC S7-1500, analog output module AQ 2x U/I ST, 16-bit resolution accuracy 0.3%. 2 channels in groups of 2, diagnostics; substitute value; the module supports the safety-oriented shutdown of load groups up to SIL2 according to EN IEC 62061:2021 and Category 2 / PL c according to EN ISO 13849-1:2015. delivery including front connector push-in, infeed element, shielding bracket and shield terminal

Product type designation     AQ ZW/I ST       HW functional status     FS01       HW functional status     FS01       • IW update possible     Yes       Product function     Yes       • I&M data     Yes; I&M0 to I&M3       • Isochronous mode     No       • Prioritized startup     No       • Output range scalable     No       • STEP 7 TIA Portal configurable/Integrated from version     V13 / V13.0.2       • STEP 7 onfigurable/Integrated from version     V5.5 SP3 / -       • ROFIBUS from GSD version/GSD revision     V1.0 / V5.1       • ROFIBUS from GSD version/GSD revision     V2.3 / -       Operating mode     No       • No     Yes       Ciff - Configurable/Integrated from version     Yes       Ciff - Configurable in RUN     Yes       Calibration possible in RUN     Yes       Calibration possible in RUN     Yes       Calibration possible in RUN     Yes       Supply voltage     Yes       Reverse polarity protection     Yes       Input current     Yes       Current consumption, max.     110 mA       Power ross     0.55 W       Power loss, typ.     2.7 W       Analog outputs     2       Voltage output, short-circuit protection     Yes       Voltage	General information	
Firmware version     V1.0.0       • FW update possible     Yes       Product function     ************************************	Product type designation	AQ 2xU/I ST
• FW update possible     Yes       Product function	HW functional status	FS01
Product function         Value           • I&M data         Yes; I&M0 to I&M3           • Isochronous mode         No           • Prioritized startup         No           • Output range scalable         No           • STEP 7 TIA Portal configurable/integrated from version         V13 / V13.0.2           • STEP 7 configurable/integrated from version         V13 / V13.0.2           • STEP 7 configurable/integrated from version         V2.5 S P3 / -           • PROFIBUS from GSD version/GSD revision         V1.0 / V5.1           • PROFINET from CSD version/GSD revision         V2.3 / -           • Operating mode         -           • Oversampling         No           • MSO         Yes           Supply voltage         Retarameterization possible in RUN           Rated value (CC)         19.2 V           permissible range, lower limit (DC)         24.4 V           permissible range, lower limit (DC)         28.8 V           Reverse polarity protection         Yes           Input current         -           Current consumption, max.         110 mA           Power         0.65 W           Power loss         -           Power loss         2.7 W           Analog outputs         2	Firmware version	V1.0.0
• I&M data     Yes; I&M0 to I&M3       • Isochronous mode     No       • Prioritized startup     No       • Output range scalable     No       • STEP 7 TIA Portal configurable/integrated from version     V13 / V13.0.2       • STEP 7 TIA Portal configurable/integrated from version     V5.5 SP3 / -       • PROFINET from CSD version/CSD revision     V1.0 / V5.1       • PROFINET from CSD version/CSD revision     V2.3 / -       Operating mode     -       • Oversampling     No       • MSO     Yes       Calibration possible in RUN     Yes       Calibration possible in RUN     Yes       Supply voltage     -       Reted value (DC)     24 V       permissible range, lower limit (DC)     19.2 V       permissible range, lower limit (DC)     28.8 V       Reverse polarity protection     Yes       Input current     -       Current consumption, max.     110 mA       Power vailable from the backplane bus     0.65 W       Power loss, typ.     2.7 W       Analog outputs     2       Voltage output, short-circuit protection     Yes	<ul> <li>FW update possible</li> </ul>	Yes
• Isochronous mode     No       • Prioritized startup     No       • Output range scalable     No       • STEP 7 TIA Portal configurable/integrated from version     V13 / V13.0.2       • STEP 7 configurable/integrated from version     V5.5 SP3 / -       • PROFIBUS from GSD version/GSD revision     V2.3 / -       Operating mode     V10 / V5.1       • PROFINET from GSD version/GSD revision     V2.3 / -       Operating mode     Versampling       • MSO     Yes       CIR - Configuration in RUN     Yes       Reparameterization possible in RUN     Yes       Supply voltage     Rated value (DC)       permissible range, lower limit (DC)     24 V       permissible range, lower limit (DC)     28.8 V       Reverse polarity protection     Yes       Input current     U       Current consumption, max.     110 mA       Power loss, typ.     2.7 W       Analog outputs     2       Voltage output, short-circuit protection     Yes       Number of analog outputs     2       Voltage output, short-circuit protection     Yes	Product function	
• Prioritized startup     No       • Output range scalable     No       Engineering with	<ul> <li>I&amp;M data</li> </ul>	Yes; I&M0 to I&M3
• Output range scalable     No       Engineering with     V13 / V13.0.2       • STEP 7 TIA Portal configurable/integrated from version     V5.5 SP3 / -       • PROFIBUS from GSD version/GSD revision     V1.0 / V5.1       • PROFINET from GSD version/GSD revision     V2.3 / -       Operating mode     Versampling       • Oversampling     No       • MSO     Yes       Calibration possible in RUN     Yes       Subprivoltage     Versampling       • Mexical configuration in RUN     Yes       Reparameterization possible in RUN     Yes       Calibration possible in RUN     Yes       Subply voltage     Versampling       • Current consumption, max.     110 mA       Power     Versampling, trait from GSD version       • Prover available from the backplane bus     0.65 W       Power loss     0.65 W       Power loss     2.7 W       Analog outputs     2       Voltage output, short-circuit protection     Yes       Number of analog outputs     2       Voltage output, short-circuit protection     Yes       Voltage output, short-circuit ourrent, max.     24 mA       Current output, no-local voltage, max.     22 V	<ul> <li>Isochronous mode</li> </ul>	No
Engineering with       V13 / V13.0.2         • STEP 7 TIA Portal configurable/integrated from version       V5.5 SP3 /-         • STEP 7 configurable/integrated from version       V5.5 SP3 /-         • PROFIBUS from GSD version/CSD revision       V1.0 / V5.1         • PROFINET from GSD version/GSD revision       V2.3 / -         Operating mode       -         • Oversampling       No         • MSO       Yes         Calibration possible in RUN       Yes         Supply voltage       -         Rated value (DC)       24 V         permissible range, lower limit (DC)       19.2 V         permissible range, lower limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current       -         Current consumption, max.       110 mA         Power loss       0.65 W         Power loss       0.65 W         Power loss       2.7 W         Analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit protection       Yes         Quiptut of analog outputs       2         Voltage output, short-circuit ourrent, max.       24 mA         Current outovit, no-load voltage, max.       22	<ul> <li>Prioritized startup</li> </ul>	No
• STEP 7 TIA Portal configurable/integrated from version       V13 / V13.0.2         version       V13 / V13.0.2         • 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       V2.3 / -         Operating mode       •         • Oversampling       No         • MSO       Yes         Calibration possible in RUN       Yes         Calibration possible in RUN       Yes         Supply voltage       V19.2 V         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       Uurrent         Current consumption, max.       110 mA         Power loss       0.65 W         Power loss       0.65 W         Power loss       2.7 W         Analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit protection	<ul> <li>Output range scalable</li> </ul>	No
version       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       V2.3 / -         Operating mode       •         • Oversampling       No         • MSO       Yes         Cilr - Configuration in RUN       Yes         Reparameterization 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         Ourrent consumption, max.       110 mA         Power loss       0.65 W         Power loss       0.65 W         Power loss       0.65 W         Power loss       2.7 W         Number of analog outputs       2         Voltage outputs, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current (output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Engineering with	
PROFIBUS from GSD version/GSD revision     V1.0 / V5.1     PROFINET from GSD version/GSD revision     V2.3 / -      Operating mode     Oversampling     Oversampling     No     WSO     Yes      CIR - Configuration in RUN     Reparameterization possible in RUN     Yes      Supply voltage      Rated value (DC)     Permissible range, lower limit (DC)     Permissible range, lower limit (DC)     Permissible range, upper limit (DC)     Power loss     Voltage output, short-circuit protection     Yes     Voltage output, short-circuit protection     Yes     Voltage output, short-circuit urrent, max.     Ze V     Voltage output, short		V13 / V13.0.2
PROFINET from GSD version/GSD revision     V2.3 / -     Operating mode     Oversampling     No     NSO     Ves     Configuration in RUN     Reparameterization possible in RUN     Yes     Calibration possible in RUN     Yes     Supply voltage     Reted 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, max.     110 mA     Power loss.     typ.     Acalog outputs     Power loss, typ.     2.7 W     Analog outputs     Number of analog outputs     Valage output, short-circuit protection     Yes     Voltage output, short-circuit protection     Yes     Voltage output, short-circuit protection     Yes     Voltage output, short-circuit qurent, max.     Current output, no-Lad voltage, max.     Zet V     Supple output, short-circuit qurent, max.     Current output, no-Lad voltage, max.     Zet V     Supple output, short-circuit protection     Yes     Voltage output, short-circuit protection     Yes     Yourse output, short-circuit protection     Yes     Yourse     Yourse	<ul> <li>STEP 7 configurable/integrated from version</li> </ul>	V5.5 SP3 / -
Operating mode         • Oversampling       No         • MSO       Yes         CiR - Configuration in RUN       Yes         Reparameterization possible in RUN       Yes         Calibration possible in RUN       Yes         Supply voltage       Yes         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, max.         Power available from the backplane bus       0.65 W         Power loss       0.45 W         Power loss, typ.       2.7 W         Analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit protection	<ul> <li>PROFIBUS from GSD version/GSD revision</li> </ul>	V1.0 / V5.1
• Oversampling       No         • MSO       Yes <b>CiR - Configuration in RUN</b> Pes         Reparameterization possible in RUN       Yes         Calibration possible in RUN       Yes         Supply voltage       Yes         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, max.         Current consumption, max.       110 mA         Power       0.65 W         Power loss       0.65 W         Power loss       2.7 W         Analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	<ul> <li>PROFINET from GSD version/GSD revision</li> </ul>	V2.3 / -
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, max. 110 mA      Power      Power loss     Power loss     VPower loss, typ. 2.7 W      Analog outputs     Number of analog outputs     Voltage output, short-circuit protection     Yes     Voltage output, short-circuit protection     Yes     Current output, no-load voltage, max. 22 V     Cycle time (all channels), min.     Supply content of number of activated channels	Operating mode	
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       Ves         Current consumption, max.       110 mA         Power       0.65 W         Power loss       0.65 W         Power loss       2.7 W         Analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit grotection       Yes         Voltage output, short-circuit grotection       Yes         Voltage output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels		No
Reparameterization possible in RUN       Yes         Calibration possible in RUN       Yes         Supply voltage       Image: Comparison of the second of the	• MSO	Yes
Calibration possible in RUN       Yes         Supply voltage       Pass         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       Yes         Current consumption, max.       110 mA         Power       0.65 W         Power loss, typ.       2.7 W         Analog outputs       2         Voltage output, short-circuit protection       Yes         Number of analog outputs       2         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	CiR - Configuration in RUN	
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, max.         Current consumption, max.       110 mA         Power       Power available from the backplane bus       0.65 W         Power loss       0.65 W         Power loss, typ.       2.7 W         Analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Reparameterization possible in RUN	Yes
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, max.         Current consumption, max.       110 mA         Power       0.65 W         Power loss       0.65 W         Power loss, typ.       2.7 W         Analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Calibration possible in RUN	Yes
permissible range, lower limit (DC)       19.2 V         permissible range, upper limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current         Current consumption, max.         Power       110 mA         Power available from the backplane bus       0.65 W         Power loss       0.65 W         Power loss, typ.       2.7 W         Analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Supply voltage	
permissible range, upper limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current       110 mA         Current consumption, max.       110 mA         Power       0.65 W         Power loss       0.65 W         Power loss, typ.       2.7 W         Analog outputs       2.7 W         Number of analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Rated value (DC)	24 V
Reverse polarity protectionYesInput currentCurrent consumption, max.110 mAPower110 mAPower available from the backplane bus0.65 WPower loss2.7 WPower loss, typ.2.7 WAnalog outputs2Number of analog outputs2Voltage output, short-circuit protectionYesVoltage output, short-circuit current, max.24 mACurrent output, no-load voltage, max.22 VCycle time (all channels), min.3.2 ms; independent of number of activated channels	permissible range, lower limit (DC)	19.2 V
Input current         Current consumption, max.         Power         Power available from the backplane bus         Power loss         Voltage outputs         Number of analog outputs         Voltage output, short-circuit protection         Yes         Voltage output, short-circuit current, max.         Current output, no-load voltage, max.         Cycle time (all channels), min.         3.2 ms; independent of number of activated channels	permissible range, upper limit (DC)	28.8 V
Current consumption, max.       110 mA         Power       Power available from the backplane bus       0.65 W         Power loss       0.65 W         Power loss       2.7 W         Analog outputs       2.7 W         Number of analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Reverse polarity protection	Yes
Power       0.65 W         Power loss       0.65 W         Power loss       2.7 W         Analog outputs       2.7 W         Number of analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Input current	
Power available from the backplane bus       0.65 W         Power loss       2.7 W         Analog outputs       2.7 W         Number of analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Current consumption, max.	110 mA
Power loss         Power loss, typ.       2.7 W         Analog outputs       2         Number of analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Power	
Power loss, typ.       2.7 W         Analog outputs       2         Number of analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Power available from the backplane bus	0.65 W
Analog outputs       2         Number of analog outputs       2         Voltage output, short-circuit protection       Yes         Voltage output, short-circuit current, max.       24 mA         Current output, no-load voltage, max.       22 V         Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Power loss	
Number of analog outputs2Voltage output, short-circuit protectionYesVoltage output, short-circuit current, max.24 mACurrent output, no-load voltage, max.22 VCycle time (all channels), min.3.2 ms; independent of number of activated channels	Power loss, typ.	2.7 W
Voltage output, short-circuit protectionYesVoltage output, short-circuit current, max.24 mACurrent output, no-load voltage, max.22 VCycle time (all channels), min.3.2 ms; independent of number of activated channels	Analog outputs	
Voltage output, short-circuit current, max.24 mACurrent output, no-load voltage, max.22 VCycle time (all channels), min.3.2 ms; independent of number of activated channels	Number of analog outputs	2
Current output, no-load voltage, max.22 VCycle time (all channels), min.3.2 ms; independent of number of activated channels	Voltage output, short-circuit protection	Yes
Cycle time (all channels), min.       3.2 ms; independent of number of activated channels	Voltage output, short-circuit current, max.	24 mA
	Current output, no-load voltage, max.	22 V
Output ranges, voltage	Cycle time (all channels), min.	3.2 ms; independent of number of activated channels
	Output ranges, voltage	

• 0 to 10 V	Yes
• 1 V to 5 V	Yes
• -5 V to +5 V	No
• -10 V to +10 V	Yes
Output ranges, current	
• 0 to 20 mA	Yes
<ul> <li>-20 mA to +20 mA</li> </ul>	Yes
• 4 mA to 20 mA	Yes
Connection of actuators	
<ul> <li>for voltage output two-wire connection</li> </ul>	Yes
<ul> <li>for voltage output four-wire connection</li> </ul>	Yes
<ul> <li>for current output two-wire connection</li> </ul>	Yes
Load impedance (in rated range of output)	
<ul> <li>with voltage outputs, min.</li> </ul>	1 kΩ; 0.5 kOhm at 1 to 5 V
<ul> <li>with voltage outputs, capacitive load, max.</li> </ul>	1 µF
<ul> <li>with current outputs, max.</li> </ul>	750 Ω
<ul> <li>with current outputs, inductive load, max.</li> </ul>	10 mH
Cable length	
● shielded, max.	800 m; for current, 200 m for voltage
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	
Resolution with overrange (bit including sign), max.	16 bit
Conversion time (per channel)	0.5 ms
Settling time	
for resistive load	1.5 ms
<ul> <li>for capacitive load</li> </ul>	2.5 ms
<ul> <li>for inductive load</li> </ul>	2.5 ms
Errors/accuracies	
Output ripple (relative to output range, bandwidth 0 to 50	0.02 %
kHz), (+/-)	
Linearity error (relative to output range), (+/-)	0.15 %
Temperature error (relative to output range), (+/-)	0.002 %/K
Crosstalk between the outputs, max.	-100 dB
Repeat accuracy in steady state at 25 °C (relative to	0.05 %
output range), (+/-)	
Operational error limit in overall temperature range	
<ul> <li>Voltage, relative to output range, (+/-)</li> </ul>	0.3 %
<ul> <li>Current, relative to output range, (+/-)</li> </ul>	0.3 %
Basic error limit (operational limit at 25 °C)	
<ul> <li>Voltage, relative to output range, (+/-)</li> </ul>	0.2 %
<ul> <li>Current, relative to output range, (+/-)</li> </ul>	0.2 %
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Yes
Diagnoses	
<ul> <li>Monitoring the supply voltage</li> </ul>	Yes
• Wire-break	Yes; Only for output type "current"
Short-circuit	Yes; Only for output type "voltage"
Overflow/underflow	Yes
Diagnostics indication LED	
RUN LED	Yes; green LED
ERROR LED	Yes; red LED
<ul> <li>Monitoring of the supply voltage (PWR-LED)</li> </ul>	Yes; green LED
<ul> <li>Channel status display</li> </ul>	Yes; green LED
<ul> <li>for channel diagnostics</li> </ul>	Yes; red LED
<ul> <li>for module diagnostics</li> </ul>	Yes; red LED
Potential separation	
Potential separation channels	
between the channels	No
<ul> <li>between the channels, in groups of</li> </ul>	2
<ul> <li>between the channels and backplane bus</li> </ul>	Yes

	N	
<ul> <li>Between the channels and load voltage L+</li> </ul>	Yes	
Permissible potential difference		
between S- and MANA (UCM)	8 V DC	
Isolation		
Isolation tested with	707 V DC (type test)	
Standards, approvals, certificates		
Suitable for safety-related tripping of standard modules	Yes; From FS02	
Highest safety class achievable for safety-related tripping of standard modules		
<ul> <li>Performance level according to ISO 13849-1</li> </ul>	PL d	
<ul> <li>Category according to ISO 13849-1</li> </ul>	Cat. 3	
<ul> <li>SILCL according to IEC 62061</li> </ul>	SIL 2	
Ambient conditions		
Ambient temperature during operation		
<ul> <li>horizontal installation, min.</li> </ul>	-30 °C; from FS04	
<ul> <li>horizontal installation, max.</li> </ul>	60 °C	
<ul> <li>vertical installation, min.</li> </ul>	-30 °C; from FS04	
<ul> <li>vertical installation, max.</li> </ul>	40 °C	
Altitude during operation relating to sea level		
<ul> <li>Installation altitude above sea level, max.</li> </ul>	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual	
Dimensions		
Width	25 mm	
Height	147 mm	
Depth	129 mm	
Weights		
Weight, approx.	200 g	
Other		
Note:	Supplied incl. 40-pole push-in front connectors	

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