## SIEMENS

## Data sheet

## 6ES7531-7MH00-0AB0



SIMATIC S7-1500, analog input module AI 16xI BA, 16-bit resolution accuracy 0.5%, 16 channels in groups of 16, common mode voltage 4 V DC, diagnostics, hardware interrupts; delivery including infeed element, shield bracket and shield terminal: front connector (screw terminals or push-in) to be ordered separately

Product type designation     A1 16xt BA       HW functional status     From FS01       Firmware version     V1.0.0       • FW update possible     Yes       Product function     Yes       • I&M data     Yes; I&M0 to I&M3       • Iskind data     Yes; I&M0 to I&M3       • StEP 7 cnifigurable/integrated     No       • STEP 7 configurable/integrated from version     V5.5 SP3 / -       • PROFIBUS from GSD version/GSD revision     V1.0 / V5.1       • PROFIBUS from GSD version/GSD revision     V1.0 / V5.1       • Oversampling     No       • MSI     Yes       CIR - Configuration in RUN     Yes       Reparameterization possible in RUN     Yes       Power loss     Power loss       Power loss, typ.     1.2 W       Analog inputs     16       • For current measurement     16       • Po	General information	
Firmware version     V1.0.0       • FW update possible     Yes       Product function     Yes       • I&M data     Yes; I&M0 to I&M3       • Sochronous mode     No       • Measuring range scalable     No       • Scalable measured values     No       • Adjustment of measuring range     No       Engineering with     •       • STEP 7 trIA Portal configurable/integrated from version     V16 with HSP 312 / V17       • STEP 7 configurable/integrated from version     V5.5 SP3 / -       • STEP 7 tonfigurable/integrated from version     V2.3 / -       Operating mode     •       • Oversampling     No       • NSI     Yes       Calibration possible in RUN     Yes       Calibration possible in RUN     Yes       Power     0.85 W       Power loss     0.85 W       Power loss     0.85 W       Power loss     0.85 W       Power loss, typ.     1.2 W       Analog Inputs     16       • For current measurement     16       • For current measur	Product type designation	AI 16xI BA
• FW update possible         Yes           Product function	HW functional status	From FS01
Product function        i&M data       i isochronous mode       i orbinitzed startup       No       i orbinitzed startup       No       i orbinitzed startup       No       Scalable measured values       Scalable measured values       No       Scalable measured values       Scalable measured values       No       Scalable from GSD version/GSD revision       V1.0 / V5.1       Vers       CIR - Configurable/integrated from version       V1.0 / V5.1       Vers       Calibration possible in RUN       Reparameterization possible in RUN       No       Power vaiilable from the backplane bus       0.85 W       Power vaiilable from the backplane bus       0.85 W       Power loss       Power loss, typ.       1.2 W       Analog inputs       Number of analog inputs       (b for current input (destruction       inft), max.       Input resistance (0 to 20 mA)       - Input resistance (0 to 20 mA)       - Input resistance (0 to 20 mA)       - 20 mA to +20 mA       Yes       20; Plus approx. 42 ohms for overvoltage protection by PTC       Yes       Scalable	Firmware version	V1.0.0
• i&M data     Yes; i&M0 to I&M3       • isochronous mode     No       • Prioritized startup     No       • Measuring range scalable     No       • Scalable measured values     No       • Adjustment of measuring range     No       Engineering with        • STEP 7 TIA Portal configurable/integrated from version     V16 with HSP 312 / V17       • 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     V1.0 / V5.1       • Oversampling     No       • MSI     Yes       Calibration possible in RUN     Yes       Calibration possible in RUN     Yes       Calibration possible in RUN     No       Power loss        Power loss        Power loss        Power loss        Power loss        Number of analog inputs     16       • For current measurement     16       permissible input current for current input (destruction limit), max.     40 mA       Input ranges (rated values), currents        • 0 to 20 mA     Yes       • 0 to 20 mA     Yes       • 0 to 20 mA     Yes	<ul> <li>FW update possible</li> </ul>	Yes
• Isochronous mode     No       • Prioritized startup     No       • Measuring range scalable     No       • Scalable measured values     No       • Adjustment of measuring range     No       • Adjustment of measuring range     No       • StEP 7 TIA Portal configurable/integrated from version     V16 with HSP 312 / V17       • 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     V1.0 / V5.1       • Oversampling     No       • MSI     Yes       CiR - Configuration in RUN     Yes       Reparameterization possible in RUN     Yes       Calibration possible in RUN     No       Power loss     0.85 W       Power loss     Power loss, typ.       Power loss, typ.     1.2 W       Analog inputs     16       • For current measurement     16       • Partices (rated values), currents     40 mA       imit), max.     Yes       • Input ranges (rated values), currents     60 PC       • O to 20 mA     Yes	Product function	
• Prioritized startup       No         • Measuring range scalable       No         • Scalable measured values       No         • Adjustment of measuring range       No         • Stel P 7 TIA Portal configurable/integrated from version       V16 with HSP 312 / V17         • STEP 7 TIA Portal configurable/integrated from version       V5.5 SP3 / -         • 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         • MSI       Yes         CIR - Configuration possible in RUN       Yes         Calibration possible in RUN       Yes         Calibration possible in RUN       No         Power loss       0.85 W         Power loss, typ.       1.2 W         Analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • O to 20 mA       Yes         • O to 20 mA       Yes         • O to 20 mA       Yes <td><ul> <li>I&amp;M data</li> </ul></td> <td>Yes; I&amp;M0 to I&amp;M3</td>	<ul> <li>I&amp;M data</li> </ul>	Yes; I&M0 to I&M3
• Measuring range scalable     No       • Scalable measured values     No       • Adjustment of measuring range     No       Engineering with     No       • STEP 7 TIA Portal configurable/integrated from version     V16 with HSP 312 / V17       • 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       • MSI     Yes       Calibration possible in RUN     Yes       Reparameterization possible in RUN     Yes       Power     -       Power loss     -       Power loss, typ.     1.2 W       Analog inputs     16       • For current measurement     16       • For current for current input (destruction limit), max.     40 mA       Imput ranges (rated values), currents     16       • Ot o 20 mA     Yes       - Input resistance (0 to 20 mA)     Yes       - 20 mA to +20 mA     Yes	<ul> <li>Isochronous mode</li> </ul>	No
• Scalable measured values     No       • Adjustment of measuring range     No       Engineering with     • STEP 7 TIA Portal configurable/integrated from version       • STEP 7 configurable/integrated from version     V16 with HSP 312 / V17       • 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       • Oversampling     No       • MSI     Yes       Calibration possible in RUN     Yes       Calibration possible in RUN     No       Power     0.85 W       Power loss     0.85 W       Power loss     1.2 W       Analog inputs     16       • For current measurement     16       permissible input current for current input (destruction limit), max.     40 mA       Input ranges (rated values), currents     40 mA       • 0 to 20 mA     Yes       - Input resistance (0 to 20 mA)     Yes       - 20 mA to +20 mA     Yes	<ul> <li>Prioritized startup</li> </ul>	No
• Adjustment of measuring range     No       Engineering with     .       • STEP 7 TIA Portal configurable/integrated from version     V16 with HSP 312 / V17       • 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       • MSI     Yes       Calibration possible in RUN     Yes       Calibration possible in RUN     Yes       Power available from the backplane bus     0.85 W       Power loss     Power loss, typ.       Power loss, typ.     1.2 W       Analog inputs     16       • For current measurement     16       permissible input current for current input (destruction limit), max.     40 mA       Input ranges (rated values), currents     40 mA       • Ot o 20 mA     Yes       • Did 20 mA     Yes       • 20 mA to +20 mA     Yes	<ul> <li>Measuring range scalable</li> </ul>	No
Engineering with       .         • STEP 7 TIA Portal configurable/integrated from version       V16 with HSP 312 / V17         • 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         • MSI       Yes         Cite - Configuration in RUN       Yes         Calibration possible in RUN       Yes         Calibration possible in RUN       No         Power       No         Power loss       0.85 W         Power loss       0.85 W         Power loss typ.       1.2 W         Analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         • O to 20 mA       Yes         • O to 20 mA       Yes         • 20 mA to +20 mA       Yes	<ul> <li>Scalable measured values</li> </ul>	No
• STEP 7 TIA Portal configurable/integrated from version       V16 with HSP 312 / V17         • 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       V2.3 / -         • Oversampling       No         • MSI       Yes         CiR - Configuration in RUN       Yes         Calibration possible in RUN       Yes         Calibration possible in RUN       No         Power       0.85 W         Power loss, typ.       1.2 W         Analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         - Input resistance (0 to 20 mA)       Yes         • 20 mA to +20 mA       Yes	<ul> <li>Adjustment of measuring range</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         • MSI       Yes         Cill - Configuration in RUN       Yes         Reparameterization possible in RUN       Yes         Calibration possible in RUN       Yes         Power available from the backplane bus       0.85 W         Power loss       -         Power loss, typ.       1.2 W         Analog inputs       16         • For current measurement       16         imity, max.       10 mA         limity, max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         • 1 to 20 mA       Yes         • 20 mA to +20 mA       Yes         • 20 mA to +20 mA       Yes	Engineering with	
• PROFIBUS from GSD version/GSD revision       V1.0 / V5.1         • PROFINET from GSD version/GSD revision       V2.3 / -         Operating mode       .         • Oversampling       No         • MSI       Yes         Cit- Configuration in RUN       Yes         Calibration possible in RUN       Yes         Calibration possible in RUN       No         Power available from the backplane bus       0.85 W         Power loss       .         Power loss       .         Power loss, typ.       1.2 W         Analog inputs       16         • For current measurement       16         imit), max.       110 destruction         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         • 0 to 20 mA       Yes         • -Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes		V16 with HSP 312 / V17
• PROFINET from GSD version/GSD revision       V2.3 / -         Operating mode       •         • Oversampling       No         • MSI       Yes         CiR - Configuration in RUN         Reparameterization possible in RUN       Yes         Calibration possible in RUN       Yes         Calibration possible in RUN       No         Power       No         Power loss       0.85 W         Power loss       0.85 W         Power loss       1.2 W         Analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         - Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	<ul> <li>STEP 7 configurable/integrated from version</li> </ul>	V5.5 SP3 / -
Operating mode         • Oversampling       No         • MSI       Yes         CiR - Configuration in RUN       Yes         Reparameterization possible in RUN       Yes         Calibration possible in RUN       Yes         Calibration possible in RUN       Yes         Power       No         Power available from the backplane bus       0.85 W         Power loss       0.85 W         Power loss       1.2 W         Analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         • 0 to 20 mA       Yes         • -1nput resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	<ul> <li>PROFIBUS from GSD version/GSD revision</li> </ul>	V1.0 / V5.1
• OversamplingNo• MSIYesCiR - Configuration in RUNYesReparameterization possible in RUNYesCalibration possible in RUNNoPowerNoPower available from the backplane bus0.85 WPower loss1.2 WPower loss, typ.1.2 WNumber of analog inputs16• For current measurement16permissible input current for current input (destruction limit), max.16Input ranges (rated values), currents40 mA• 0 to 20 mAYes- Input resistance (0 to 20 mA)Yes• -20 mA to +20 mAYes	<ul> <li>PROFINET from GSD version/GSD revision</li> </ul>	V2.3 / -
• MSI       Yes         CIR - Configuration in RUN       Yes         Reparameterization possible in RUN       Yes         Calibration possible in RUN       No         Power       0.85 W         Power loss       0.85 W         Power loss, typ.       1.2 W         Analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         - Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	Operating mode	
CiR - Configuration in RUN       Yes         Reparameterization possible in RUN       Yes         Calibration possible in RUN       No         Power       No         Power available from the backplane bus       0.85 W         Power loss       0.85 W         Power loss, typ.       1.2 W         Analog inputs       16         Number of analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         — Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	Oversampling	No
Reparameterization possible in RUN       Yes         Calibration possible in RUN       No         Power       0.85 W         Power loss       0.85 W         Power loss       1.2 W         Analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         - Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	• MSI	Yes
Calibration possible in RUN       No         Power       Power available from the backplane bus       0.85 W         Power loss       0.85 W         Power loss       1.2 W         Analog inputs       1.2 W         Number of analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         - Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	CiR - Configuration in RUN	
Power         Power available from the backplane bus       0.85 W         Power loss       1.2 W         Power loss, typ.       1.2 W         Analog inputs       16         Number of analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       • 0 to 20 mA         • 0 to 20 mA       Yes         — Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	Reparameterization possible in RUN	Yes
Power available from the backplane bus       0.85 W         Power loss       Power loss         Power loss       1.2 W         Analog inputs       1.2 W         Analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         — Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	Calibration possible in RUN	No
Power loss         Power loss, typ.         Analog inputs         Analog inputs         Number of analog inputs         • For current measurement         16         permissible input current for current input (destruction limit), max.         Input ranges (rated values), currents         • 0 to 20 mA         — Input resistance (0 to 20 mA)         25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA	Power	
Power loss, typ.       1.2 W         Analog inputs       16         Number of analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       0 to 20 mA         • 0 to 20 mA       Yes         — Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	Power available from the backplane bus	0.85 W
Analog inputs       16         Number of analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         — Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	Power loss	
Number of analog inputs       16         • For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         — Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	Power loss, typ.	1.2 W
• For current measurement       16         permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       40 mA         • 0 to 20 mA       Yes         - Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	Analog inputs	
permissible input current for current input (destruction limit), max.       40 mA         Input ranges (rated values), currents       • 0 to 20 mA         • 0 to 20 mA       Yes         — Input resistance (0 to 20 mA)       25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC         • -20 mA to +20 mA       Yes	Number of analog inputs	16
Input ranges (rated values), currents       • 0 to 20 mA       - Input resistance (0 to 20 mA)       • -20 mA to +20 mA       Yes	For current measurement	16
• 0 to 20 mAYes— Input resistance (0 to 20 mA)25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC• -20 mA to +20 mAYes		40 mA
— Input resistance (0 to 20 mA)25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC• -20 mA to +20 mAYes	Input ranges (rated values), currents	
• -20 mA to +20 mA Yes	• 0 to 20 mA	Yes
	— Input resistance (0 to 20 mA)	25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC
- Input resistance (-20 mA to +20 mA) 25 Ω; Plus approx. 42 ohms for overvoltage protection by PTC	• -20 mA to +20 mA	Yes
	- Input resistance (-20 mA to +20 mA)	25 $\Omega$ ; Plus approx. 42 ohms for overvoltage protection by PTC
• 4 mA to 20 mA Yes	• 4 mA to 20 mA	Yes

— Input resistance (4 mA to 20 mA)	25 $\Omega;$ Plus approx. 42 ohms for overvoltage protection by PTC
Cable length	
• shielded, max.	800 m
Analog value generation for the inputs	
Measurement principle	integrating
Integration and conversion time/resolution per channel	
<ul> <li>Resolution with overrange (bit including sign), max.</li> </ul>	16 bit
<ul> <li>Integration time, parameterizable</li> </ul>	Yes
<ul> <li>Integration time (ms)</li> </ul>	2,5 / 16,67 / 20 / 100 ms
<ul> <li>Basic conversion time, including integration time (ms)</li> </ul>	10 / 24 / 27 / 107 ms
<ul> <li>Interference voltage suppression for interference frequency f1 in Hz</li> </ul>	400 / 60 / 50 / 10 Hz
Smoothing of measured values	
parameterizable	Yes
Step: None	Yes
• Step: low	Yes
Step: Medium	Yes
• Step: High	Yes
Encoder	
Connection of signal encoders	
for voltage measurement	No
<ul> <li>for current measurement as 2-wire transducer</li> </ul>	Yes; with external supply
<ul> <li>for current measurement as 4-wire transducer</li> <li>for current measurement as 4-wire transducer</li> </ul>	Yes
<ul> <li>for resistance measurement with two-wire</li> </ul>	No
connection	
<ul> <li>for resistance measurement with three-wire connection</li> </ul>	No
<ul> <li>for resistance measurement with four-wire connection</li> </ul>	No
Errors/accuracies	
Linearity error (relative to input range), (+/-)	0.1 %
Temperature error (relative to input range), (+/-)	0.006 %/K
Crosstalk between the inputs, max.	-50 dB
Repeat accuracy in steady state at 25 °C (relative to input range), (+/-)	0.1 %
Operational error limit in overall temperature range	
<ul> <li>Current, relative to input range, (+/-)</li> </ul>	0.5 %
Basic error limit (operational limit at 25 °C)	
• Current, relative to input range, (+/-)	0.3 %
Interference voltage suppression for $f = n x (f1 + - 1 \%), f1 = i$	interference frequency
<ul> <li>Series mode interference (peak value of interference &lt; rated value of input range), min.</li> </ul>	40 dB
Common mode voltage, max.	4 V
Common mode interference, min.	60 dB
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Alarms	
Diagnostic alarm	Yes
Limit value alarm	Yes; two upper and two lower limit values in each case
Diagnoses	
Monitoring the supply voltage	No
Wire-break	Yes; Only for 4 20 mA
Short-circuit	No
Group error	No
Overflow/underflow	Yes
Diagnostics indication LED	
RUN LED	Yes; green LED
• ERROR LED	Yes; red LED
MAINT LED	No
Monitoring of the supply voltage (PWR-LED)	No

Channel status display	Yes; green LED
<ul> <li>for channel diagnostics</li> </ul>	Yes: red LED
for module diagnostics	Yes; red LED
Potential separation	
Potential separation channels	
between the channels	No
<ul> <li>between the channels, in groups of</li> </ul>	16
<ul> <li>between the channels and backplane bus</li> </ul>	Yes
Permissible potential difference	
between the inputs (UCM)	8 V DC
Between the inputs and MANA (UCM)	4 V DC
Isolation	
Isolation tested with	707 V DC (type test)
Ambient conditions	
Ambient temperature during operation	
<ul> <li>horizontal installation, min.</li> </ul>	-30 °C
<ul> <li>horizontal installation, max.</li> </ul>	60 °C
<ul> <li>vertical installation, min.</li> </ul>	-30 °C
<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	35 mm
Height	147 mm
Depth	129 mm
Weights	
Weight, approx.	250 g
last modified:	1/19/2021 🖸