

Data sheet SM 334 (334-0KE00)

Technical data

Order no.	334-0KE00
Туре	SM 334
General information	
Note	-
Features	4x AI 2x AO 12 Bit Input: RTD / output voltage 010 V Parameterizable For 20 pole front connector
SPEED-Bus	-
Current consumption/power loss	
Current consumption from backplane bus	95 mA
Power loss	2 W
Technical data analog inputs	
Number of inputs	4
Cable length, shielded	100 m
Rated load voltage	DC 24 V
Reverse polarity protection of rated load voltage	-
Current consumption from load voltage L+ (without load)	40 mA
Voltage inputs	yes
Min. input resistance (voltage range)	100 kOhm
Input voltage ranges	0 V +10 V
Operational limit of voltage ranges	+/-0.7%
Operational limit of voltage ranges with SFU	-
Basic error limit voltage ranges	+/-0.5%
Basic error limit voltage ranges with SFU	-
Destruction limit voltage	max. 30V
Current inputs	-
Max. input resistance (current range)	-
Input current ranges	-
Operational limit of current ranges	-
Operational limit of current ranges with SFU	-
Basic error limit current ranges	-
Radical error limit current ranges with SFU	-
Destruction limit current inputs (electrical current)	-
Destruction limit current inputs (voltage)	-
Resistance inputs	yes
Resistance ranges	10000 Ohm
Operational limit of resistor ranges	+/-3.5%
Operational limit of resistor ranges with SFU	-
Basic error limit	+/-2.8%
Basic error limit with SFU	-
Destruction limit resistance inputs	max. 25V

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Resistance thermometer ranges P1100 Operational limit of resistance thermometer ranges with SPU - Basic error limit thermoresistor ranges with SPU - Basic error limit thermoresistor ranges with SPU - Destruction limit resistance thermometer inputs max. 25V Thermocouple inputs - Thermocouple inputs - Operational limit of thermocouple ranges - Operational limit of thermocouple ranges with SPU - Basic error limit thermoelement ranges - Basic error limit thermoelement ranges with SPU - Programmable temperature compensation - Programmable temperature compensation - Temperature error pensation - Temperature error pensation <t< th=""><th>Resistance thermometer inputs</th><th>yes</th></t<>	Resistance thermometer inputs	yes
Departmental limit of resistance thermometer ranges with SFU	Resistance thermometer ranges	Pt100
Basic error limit thermoresistor ranges with SFU - Destruction limit resistance thermometer inputs max. 25V Thermocouple inputs - Thermocouple inputs - Thermocouple ranges - Operational limit of thermocouple ranges - Operational limit of thermocouple ranges - Operational limit of thermocouple ranges with SFU - Basic error limit thermoelement ranges with SFU - Basic error limit thermoelement ranges with SFU - Programmable interporative compensation - External temperature compensation - Internal temperature compensation - External temperature compensation - Temperature error internal error	Operational limit of resistance thermometer ranges	+/-1.0%
Basic error limit thermoresistor ranges with SFU - Destruction limit resistance thermometer inputs max. 25V Thermocouple ranges - Thermocouple ranges - Operational limit of thermocouple ranges - Operational limit of thermocouple ranges with SFU - Basic error limit thermoelement ranges with SFU - Basic error limit thermoelement ranges with SFU - Obstruction limit thermoelement ranges with SFU - Destruction limit thermoelement ranges with SFU - Destruction limit thermoelement ranges with SFU - Obstruction limit thermoelement ranges with SFU - Destruction limit thermoelement ranges with SFU - Obstruction limit thermoelement ranges with SFU - Destruction limit thermoelement ranges with SFU - Obstruction limit thermoelement ranges - Internal temperature compensation - Obstruction limit thermoelement ranges - Obstruction limit thermoelement remains limit thermoelement remains limit thermoelement remains limit thermoelement limit thermoelement limit thermoelement limit thermoelement limit limit thermoelement limit lim	Operational limit of resistance thermometer ranges with SFU	-
Destruction limit resistance thermometer inputs	Basic error limit thermoresistor ranges	+/-0.8%
Thermocouple inputs - Thermocouple ranges - Operational limit of thermocouple ranges - Operational limit of thermocouple ranges - Operational limit of thermocouple ranges with SFU - Basic error limit thermoelement ranges with SFU - Basic error limit thermoelement ranges with SFU - Destruction limit thermoelement ranges - External temperature compensation - Temperature error internal error internal error internal error internal error internal error error internal error error internal error error error internal error e	Basic error limit thermoresistor ranges with SFU	-
Thermocouple ranges - Operational limit of thermocouple ranges - Operational limit of thermocouple ranges with SFU - Basic error limit thermocouple ranges with SFU - Basic error limit thermocouple inputs - Destruction limit thermocouple inputs - Programmable temperature compensation - External temperature compensation - Internal temperature compensation - Temperature error internal compensation - Temperature error internal compensation - Technical unit of temperature measurement 'C' Resolution in bit 12 Measurement principle Signa-Delta Basic conversion time 350 ms Noise suppression for frequency 50 Hz/60 Hz Initial data size 8 Byte Technical data analog outputs Number of outputs 2 Cabble length, shielded 100 m Reted load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) 40 mA Voltage outputs hort-circuit protection yes Voltage outputs short-circuit protection yes Min. load resistance (voltage range) 1 kChm Max. capacitive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-18 Basic error limit voltage ranges +/-18 Basic error limit voltage ranges - Destruction limit against external applied voltage - Current coutputs Max. in load resistance (current range) - Destruction limit against external applied voltage - Current coutputs Max. in load resistance (current range) - Output voltage ranges - Outp	Destruction limit resistance thermometer inputs	max. 25V
Operational limit of thermocouple ranges - Operational limit of thermocouple ranges with SFU - Basic error limit thermoelement ranges	Thermocouple inputs	-
Operational limit of thermocouple ranges with SFU - Basic error limit thermoelement ranges - Sesic error limit thermoelement ranges with SFU - Destruction limit thermoelement ranges with SFU - Programmable temperature compensation - Security of the Programmable temperature empensation - Security of the Programmable temperature measurement - Security of Sec	Thermocouple ranges	-
Basic error limit thermoelement ranges with SFU - Destruction limit thermocopte inputs - Programmable temperature compensation - External temperature compensation - Internal temperature compensation - Internal temperature compensation - Temperature error internal compensation - Technical unit of temperature measurement	Operational limit of thermocouple ranges	-
Basic error limit thermoelement ranges with SFU - Destruction limit thermocouple inputs - Programmable temperature compensation - External temperature compensation - Internal temperature compensation - Temperature error internal compensation - Technical unit of temperature measurement °C Resolution in bit 12 Measurement principle Sigma-Delta Basic conversion time Sigma-Delta Basic conversion time Noise suppression for frequency 50 Hz/60 Hz Initial data size 8 Byte Technical data analog outputs Number of outputs 2 Cable length, shielded 100 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) 40 mA Voltage output short-circuit protection yes Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-0.8% Basic error limit voltage ranges Max. in load resistance (current range) - Max. in load res	Operational limit of thermocouple ranges with SFU	-
Destruction limit thermocouple inputs Programmable temperature compensation External temperature compensation - Internal temperature compensation - Internal temperature compensation - Technical unit of temperature measurement	Basic error limit thermoelement ranges	-
Programmable temperature compensation External temperature compensation Internal temperature compensation - Temporature error internal compensation - Temporature error internal compensation - Technical unit of temperature measurement C Resolution in bit 12 Measurement principle Sigma-Delta Basic conversion time 350 ms Noise suppression for frequency 50 Hz/60 Hz Initial data size 8 Byte Technical data analog outputs Number of outputs C Cable length, shielded 100 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) Voltage output short-circuit protection yes Voltage outputs Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 1 µF Max. inductive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges Pasic error limit voltage ranges Max. in load resistance (current range)	Basic error limit thermoelement ranges with SFU	-
External temperature compensation - Internal temperature compensation - Temperature error internal compensation - Technical unit of temperature measurement °C Resolution in bit 12	Destruction limit thermocouple inputs	-
Internal temperature compensation - Temperature error internal compensation - Technical unit of temperature measurement °C Resolution in bit 12 Measurement principle Sigma-Delta Basic conversion time Sigma-Delta Basic conversion time Sigma-Delta Basic conversion to frequency 50 Hz/60 Hz Initial data size 8 Byte Technical data analog outputs Number of outputs 2 Cable length, shielded 100 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) 40 mA Voltage output short-circuit protection yes Win. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current continuit voltage current output - Output voltage resistance (current range) - Current outputs - Current outputs - Current outputs - Current outputs - Current ranges - Operational limit of voltage current output - Output voltage current ranges - Operational limit of current ranges - Operational limit against external applied voltage -	Programmable temperature compensation	-
Temperature error internal compensation Technical unit of temperature measurement C Resolution in bit 12 Measurement principle Sigma-Delta Basic conversion time 350 ms Noise suppression for frequency 50 Hz/60 Hz Initial data size 8 Byte Technical data analog outputs Number of outputs 2 Cable length, shielded 100 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) Voltage output short-circuit protection yes Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 1 μF Max. inductive load (current range) 25 mA Output voltage ranges 4/-1% Basic error limit voltage ranges 4/-0.8% Destruction limit against external applied voltage 1 current ranges - Operational limit of voltage current output - Output current ranges - Operational limit of voltage current output - Output current ranges - Operational limit of voltage current output - Output current ranges - Operational limit of voltage current output - Output current ranges - Operational limit of current ranges - Operational limit against external applied voltage - Operational limit of current ranges - Operational limit against external applied voltage - Operational limit aga	External temperature compensation	-
Technical unit of temperature measurement	Internal temperature compensation	
Resolution in bit 12 Measurement principle Sigma-Delta Basic conversion time 350 ms Noise suppression for frequency 50 Hz/60 Hz Initial data size 8 Byte Technical data analog outputs Number of outputs 2 Cable length, shielded 100 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) 40 mA Voltage output short-circuit protection yes Win. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-0.8% Destruction limit against external applied voltage mass coluptured in a coluptured in the current ranges - Operational limit of current ranges - Destruction limit against external applied voltage -	Temperature error internal compensation	-
Measurement principle Sigma-Delta Basic conversion time 350 ms Noise suppression for frequency 50 Hz/60 Hz Initial data size 8 Byte Technical data analog outputs Number of outputs 2 Cable length, shielded 100 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) 40 mA Voltage output short-circuit protection yes Voltage outputs by yes Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 1 μF Max. inductive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage - Max. in load resistance (current range) - Max. in load resistance (current range) - Max. in load resistance (current range) - Typ. open circuit voltage current output - O	Technical unit of temperature measurement	°C
Basic conversion time 350 ms Noise suppression for frequency 50 Hz/60 Hz Initial data size 8 Byte Technical data analog outputs Number of outputs 2 Cable length, shielded 100 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) 40 mA Voltage output short-circuit protection yes Wini. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-0.8% Destruction limit against external applied voltage max. inductive load (current range) - Max. inductive load (current range) - Current outputs - Max. in load resistance (current range) - Max. in load resistance (current range) - Max. in load resistance (current range) - Max. inductive load (current range) - Max. inductive load (current range) - Max. in load resistance (current range) - Max. in load resistance (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Resolution in bit	12
Noise suppression for frequency Initial data size 8 Byte Technical data analog outputs Number of outputs 2 Cable length, shielded 100 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) Voltage output short-circuit protection yes Voltage outputs yes Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 1 μF Max. inductive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Typ. open circuit voltage current output - Output current ranges - Destruction limit against external applied voltage - Basic error limit of current ranges - Coperational limit against external applied voltage - Country to the province of the province	Measurement principle	Sigma-Delta
Initial data size 8 Byte Technical data analog outputs Number of outputs 2 Cable length, shielded 100 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) 40 mA Voltage output short-circuit protection yes Win. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 1 µF Max. inductive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Typ. open circuit voltage current ranges - Basic error limit of current ranges - Operational limit of current ranges - Destruction limit against external applied voltage - Curput current ranges - Operational limit of current ranges - Destruction limit against external applied voltage -	Basic conversion time	350 ms
Number of outputs Cable length, shielded Rated load voltage Reverse polarity protection of rated load voltage Current consumption from load voltage L+ (without load) Voltage output short-circuit protection yes Voltage output short-circuit protection yes Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 1 µF Max. inductive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges 4/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Destruction limit of current ranges - Destruction limit of current ranges - Operational limit of current ranges - Destruction limit of current ranges - Destruction limit against external applied voltage - Output current ranges - Destruction limit against external applied voltage -	Noise suppression for frequency	50 Hz/60 Hz
Number of outputs 2 Cable length, shielded 100 m Rated load voltage DC 24 V Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) 40 mA Voltage output short-circuit protection yes Voltage outputs yes Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Max. inductive load (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Destruction limit against external applied voltage -	Initial data size	8 Byte
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Reverse polarity protection of rated load voltage yes Current consumption from load voltage L+ (without load) 40 mA Voltage output short-circuit protection yes Voltage outputs yes Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 1 µF Max. inductive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Destruction limit against external applied voltage - Basic error limit current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Cable length, shielded	100 m
Current consumption from load voltage L+ (without load) Voltage output short-circuit protection yes Voltage outputs Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 1 µF Max. inductive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges 4/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Typ. open circuit voltage current output - Output current ranges Operational limit of current ranges - Destruction limit dagainst external applied voltage - Output current ranges - Operational limit of current ranges - Destruction limit against external applied voltage -	Rated load voltage	DC 24 V
Voltage outputs short-circuit protection Voltage outputs Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 1 µF Max. inductive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Max. inductive load (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage - Destruction limit against external applied voltage - Destruction limit against external applied voltage -	Reverse polarity protection of rated load voltage	yes
Voltage outputs Min. load resistance (voltage range) 1 kOhm Max. capacitive load (current range) 1 μF Max. inductive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage - Destruction limit against external applied voltage - Destruction limit against external applied voltage -	Current consumption from load voltage L+ (without load)	40 mA
Min. load resistance (voltage range) Max. capacitive load (current range) Max. inductive load (current range) Output voltage ranges O V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Max. inductive load (current range) - Typ. open circuit voltage current output - Output current ranges Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage - Destruction limit against external applied voltage -	Voltage output short-circuit protection	yes
Max. capacitive load (current range) 1 μF Max. inductive load (current range) 25 mA Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Voltage outputs	yes
Max. inductive load (current range) Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Max. inductive load (current range) - Typ. open circuit voltage current output Output current ranges - Operational limit of current ranges Basic error limit current ranges - Destruction limit against external applied voltage -	Min. load resistance (voltage range)	1 kOhm
Output voltage ranges 0 V +10 V Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Max. inductive load (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Max. capacitive load (current range)	1 μF
Operational limit of voltage ranges +/-1% Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Max. inductive load (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Max. inductive load (current range)	25 mA
Basic error limit voltage ranges +/-0.8% Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Max. inductive load (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Output voltage ranges	0 V +10 V
Destruction limit against external applied voltage max. 16V (30V / 10s) Current outputs - Max. in load resistance (current range) - Max. inductive load (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Operational limit of voltage ranges	+/-1%
Current outputs - Max. in load resistance (current range) - Max. inductive load (current range) - Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Basic error limit voltage ranges	+/-0.8%
Max. in load resistance (current range) Max. inductive load (current range) Typ. open circuit voltage current output Output current ranges Operational limit of current ranges Basic error limit current ranges Destruction limit against external applied voltage -	Destruction limit against external applied voltage	max. 16V (30V / 10s)
Max. inductive load (current range) Typ. open circuit voltage current output Output current ranges Operational limit of current ranges Basic error limit current ranges Destruction limit against external applied voltage -	Current outputs	-
Typ. open circuit voltage current output - Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Max. in load resistance (current range)	-
Output current ranges - Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Max. inductive load (current range)	-
Operational limit of current ranges - Basic error limit current ranges - Destruction limit against external applied voltage -	Typ. open circuit voltage current output	-
Basic error limit current ranges - Destruction limit against external applied voltage -	Output current ranges	-
Destruction limit against external applied voltage -	Operational limit of current ranges	-
	Basic error limit current ranges	-
Settling time for ohmic load 0.8 ms	Destruction limit against external applied voltage	-
	Settling time for ohmic load	0.8 ms

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Settling time for capacitive load	0.8 ms
Settling time for inductive load	0.3 ms
Resolution in bit	12
Conversion time	0.5 ms per channel
Substitute value can be applied	-
Output data size	4 Byte
Status information, alarms, diagnostics	
Status display	none
Interrupts	no
Process alarm	no
Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	none
Supply voltage display	none
Group error display	none
Channel error display	none
Isolation	
Between channels	-
Between channels of groups to	-
Between channels and backplane bus	yes
Between channels and power supply	yes
Max. potential difference between circuits	-
Max. potential difference between inputs (Ucm)	DC 1 V
Max. potential difference between Mana and Mintern (Uiso)	DC 75 V/ AC 50 V
Max. potential difference between inputs and Mana (Ucm)	DC 1 V
Max. potential difference between inputs and Mintern (Uiso)	-
Max. potential difference between Mintern and outputs	-
Insulation tested with	DC 500 V
Datasizes	
Input bytes	8
Output bytes	4
Parameter bytes	21
Diagnostic bytes	0
Housing	
Material	PPE
Mounting	Rail System 300
Mechanical data	· · · · · · · · · · · · · · · · · · ·
Dimensions (WxHxD)	40 mm x 125 mm x 120 mm
Net weight	210 g
Weight including accessories	-
Gross weight	
Environmental conditions	
	0 °C +0 60 °C
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
Certifications	
UL certification	yes
KC certification	yes