



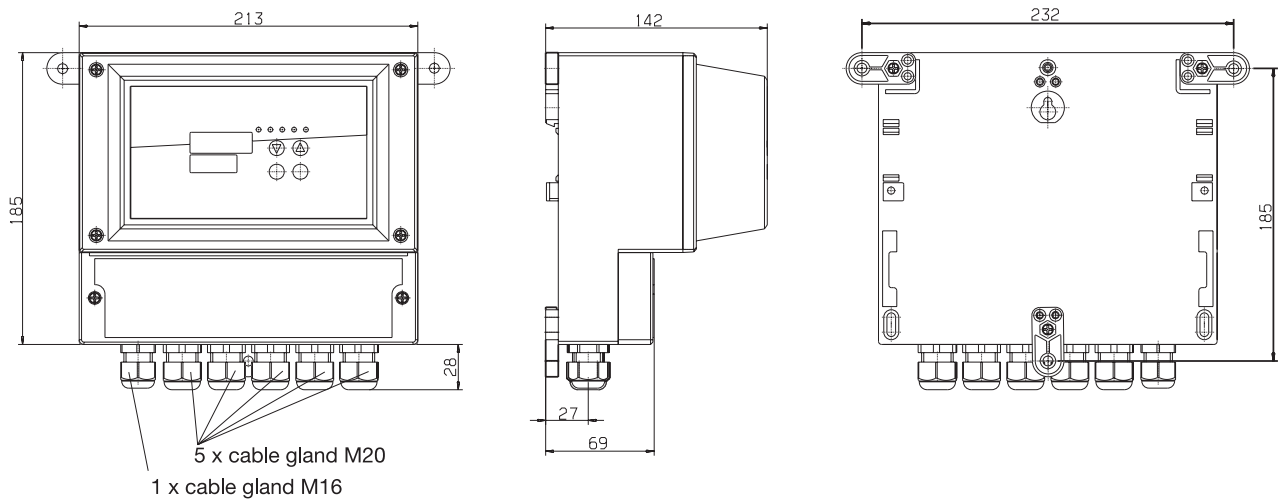
**Wall-mounting  
Housing  
extra code / 640  
for Type 202530  
Type 202535**

**B 20.2530.0.2  
Operating Manual**

07.04/00437400

# Mounting and electrical connection

## Dimensions

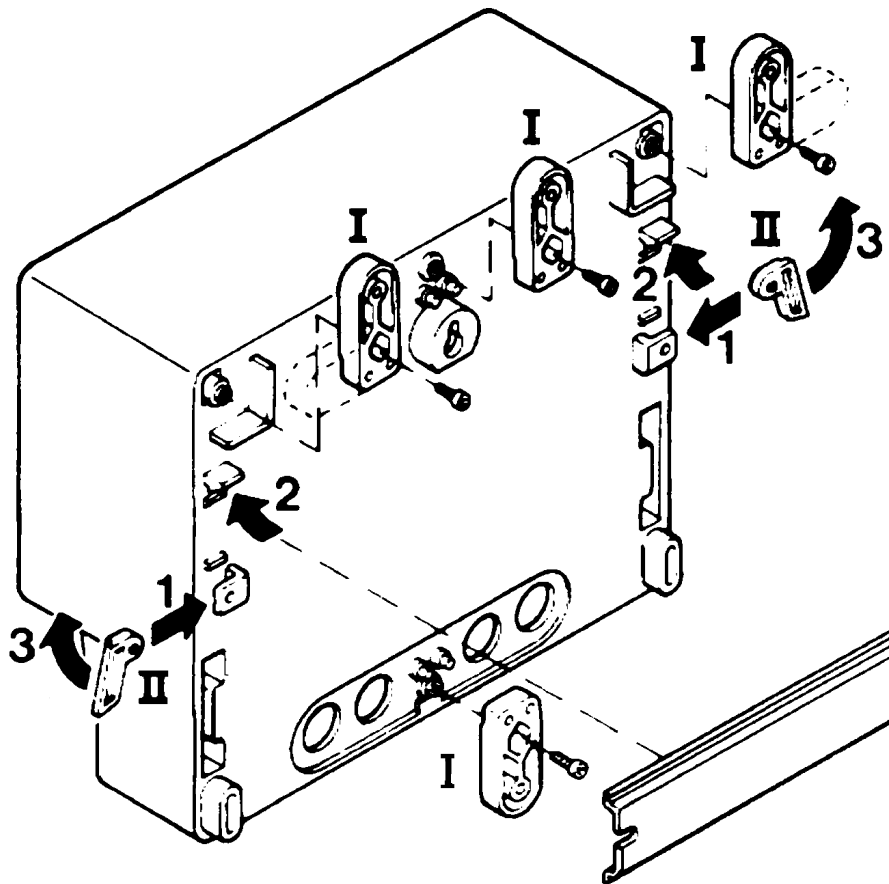


## Mounting options

The housing is suitable both for wall-mounting ( I ) and mounting on a DIN rail ( II ) to EN 50 022 (35 x 7.5 mm).

For mounting on a DIN rail, plastic brackets are supplied with the housing.

**Note:** Only use original parts ( I / II ) for mounting!



# Mounting and electrical connection

## Electrical connection



It is essential to observe the safety notes in the corresponding Operating Manuals B 20.2530.0.1 / B 20.2535.0.1 Chapter 7.1 “Electrical connection”!

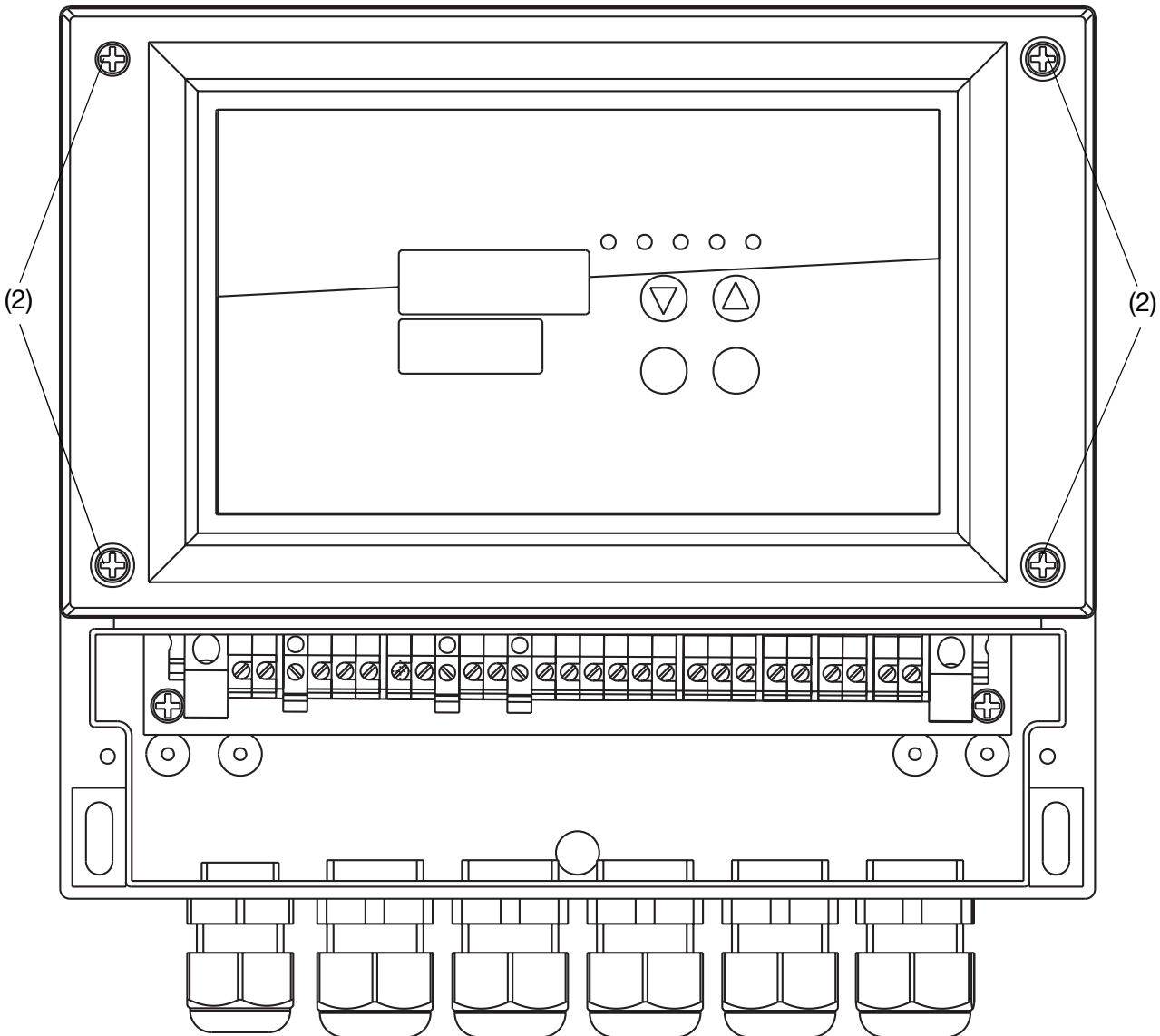


Only unscrew the bottom cover of the housing!

If you remove the screws (2), you will endanger your rights under the instrument warranty!

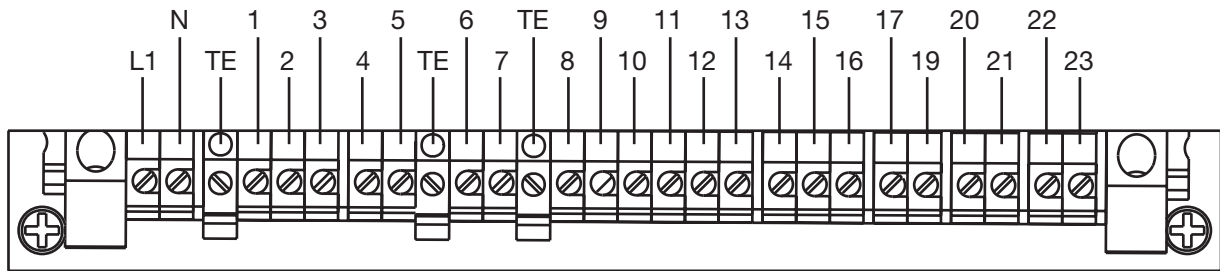
\* Only unscrew the bottom cover of the housing.

The electrical connection is made at the terminal strip located underneath.



# Mounting and electrical connection

## Terminal assignment



## Terminals

Outputs	K	Terminals	Symbol
Relay 1 (K1) Status indication LED K1	1	23 common 22 make	
Relay 2 (K2) Status indication LED K2	2	21 common 20 make	
Relay 3 (K3) Status indication LED K3  <b>or</b> process value output	3	16 break 15 common 14 make	
		15 - 14 +	
Logic output 1 (K4) Status indication LED K4	4	19 - 17 +	
Relay 4 (K5) no status indication  <b>or</b> process value output	5	3 break 2 common 1 make	
		1 + 2 -	

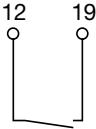
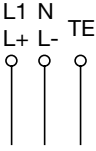
# Mounting and electrical connection

Inputs		Terminals	Symbol
pH combination electrode Metal combination electrode		6 reference system (braiding) 7 glass or metal electrode (inner conductor)	
pH electrode with separate reference electrode		6 braiding 7 glass or metal electrode (inner conductor)	
Reference electrode (with separate electrodes)		8 reference system (inner conductor)	
Resistance thermometer in 3-wire circuit		9 10 11	
Resistance thermometer in 2-wire circuit		9 10 11	

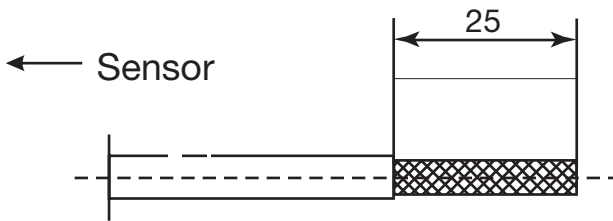
Inputs/outputs		Terminals	Symbol
Serial interface RS422 (option)	RxD	5 RxD + receive data 4 RxD -	
	TxD	2 TxD + transmit data 1 TxD -	
	GND	3 GND	
Serial interface RS485 (option)	+	2 TxD/RxD +	
	-	1 TxD/RxD -	
GND	3 GND		
Serial interface Profibus-DP (option)	VP	4 supply voltage, positive, (P5V)	
	RxD/TxD-P	2 receive/transmit data, positive, B cable	
	RxD/TxD-N	1 receive/transmit data, negative, A cable	
	DGND	3 ground for data transmission	
Logic input 1		13 19	

## Mounting and electrical connection

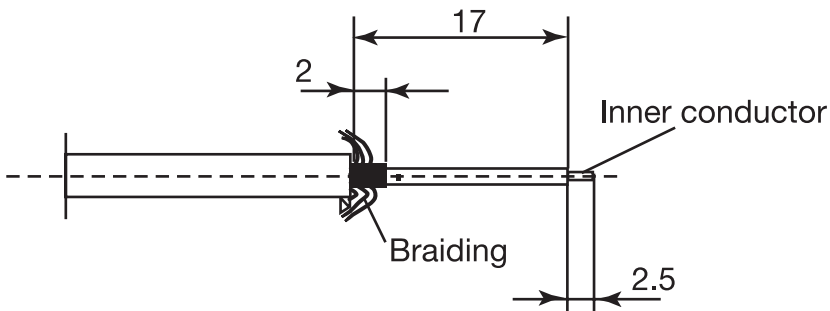
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Inputs/outputs		Terminals		Symbol
Logic input 2		12 19		
Supply voltage see nameplate	AC/ DC	AC: L1 phase/line N neutral TE technical earth	DC: L + L -	

## Connecting the BNC cable



- \* Remove cable sheath
- \* Pull back braiding



- \* Remove black, semiconducting layer (see diagram).
- \* Remove inner insulation.



**The black, semiconducting layer must not come into contact with the inner conductor! If it does, then the signal from the pH electrode will be short-circuited.**



The use of ferrules, e.g. H1.5-14 is recommended.

- \* Connect the inner conductor of the glass or metal electrode to terminal 7 on the terminal strip.
- \* Connect braiding to terminal 6 of the terminal strip.