MOLLINÉ
Messtechnik der Zukunft

ULTRAMESS® 803
MULTICAL® 803 & ULTRAFLOW®

WDV Molliné GmbH · Kupferstraße 40-46 · 70565 Stuttgart · Tel. 07 11 / 35 16 95-20 · info@molline.de · www.molline.de

> 60 °C

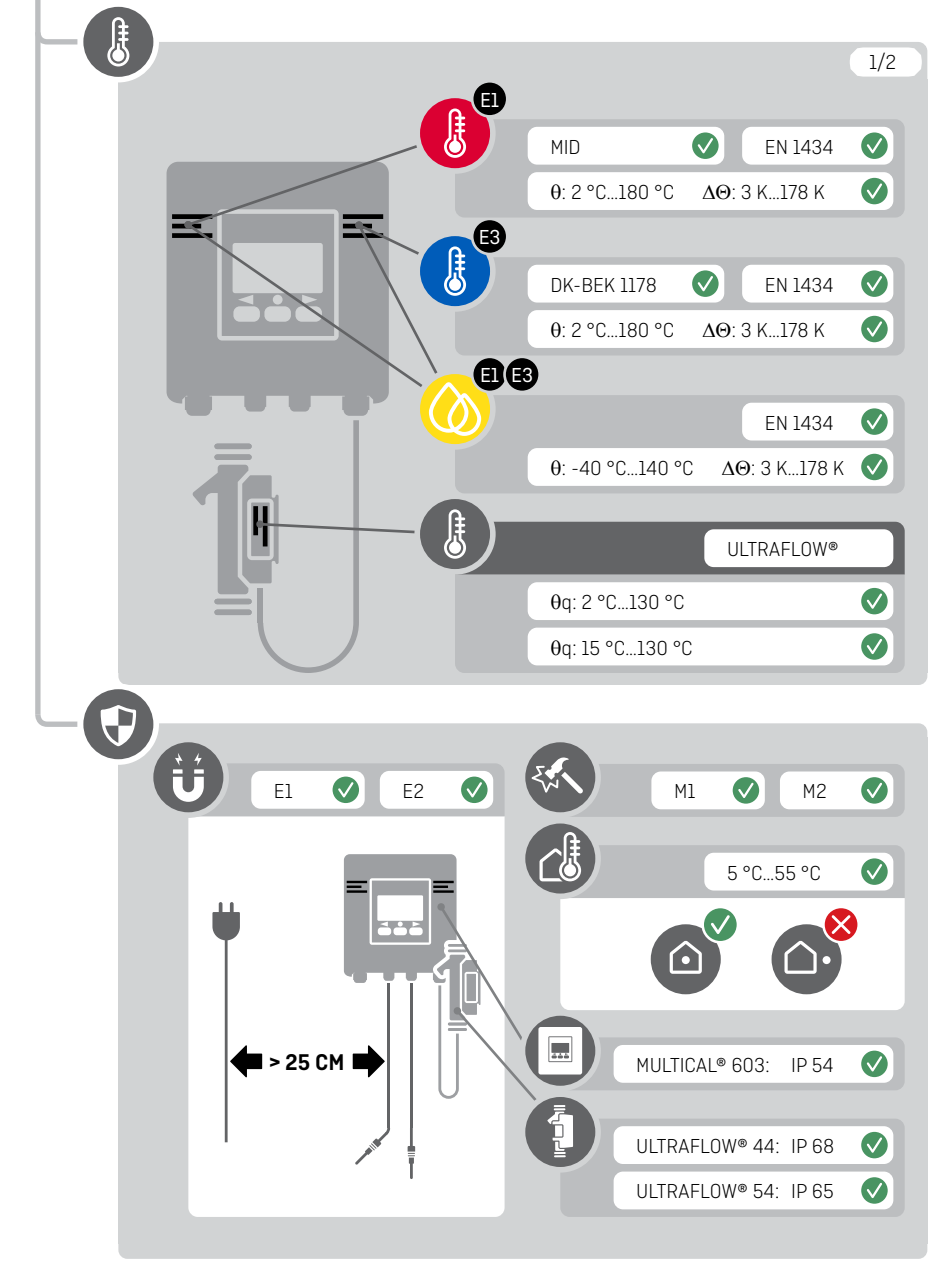
230 VAC

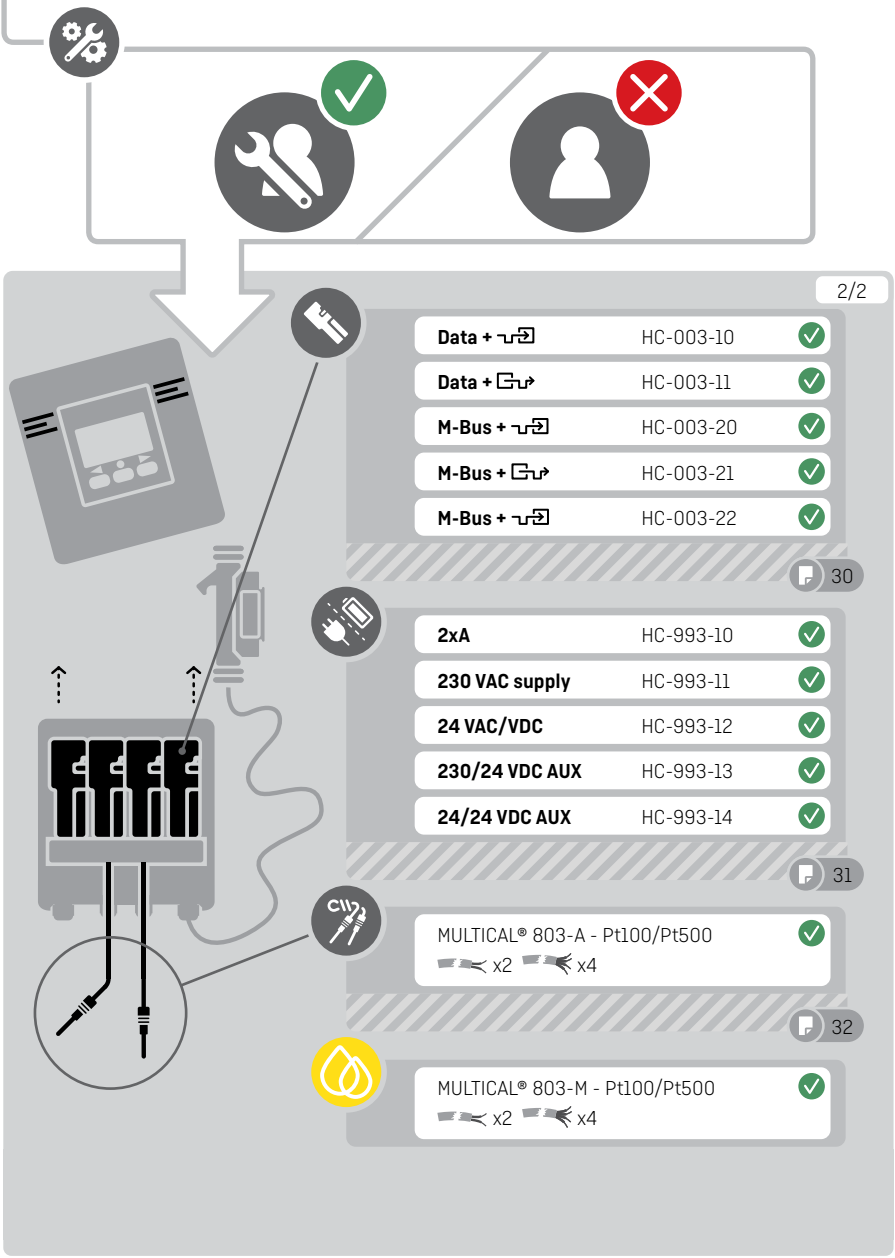
16/25/40 bar

https://guides.kamstrup.com/userguides/gb_mc803.htm

https://www.kamstrup.com/en-en/heat-solutions/meters-devices/meters/multical-803/documents

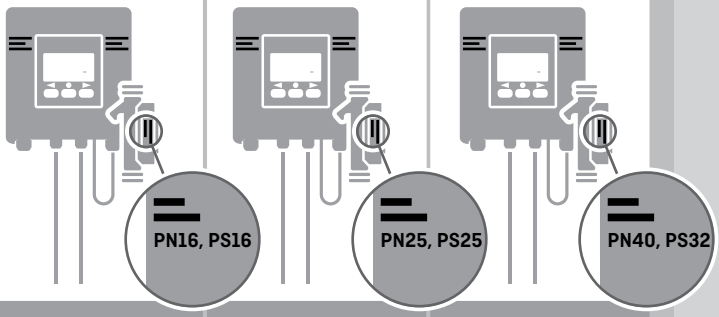
https://www.kamstrup.com/


1/2
E1
MID
EN 1434
θ: 2 °C...180 °C
ΔΘ: 3 K...178 K
E3
DK-BEK 1178
EN 1434
θ: 2 °C...180 °C
ΔΘ: 3 K...178 K
E1 E3
EN 1434
θ: -40 °C...140 °C
ΔΘ: 3 K...178 K
ULTRAFLOW®
θq: 2 °C...130 °C
θq: 15 °C...130 °C
E1
E2
M1
M2
5 °C...55 °C
> 25 CM
MULTICAL® 603: IP 54
ULTRAFLOW® 44: IP 68
ULTRAFLOW® 54: IP 65


2/2
Data + HC-003-10
Data + HC-003-11
M-Bus + HC-003-20
M-Bus + HC-003-21
M-Bus + HC-003-22
30
2xA HC-993-10
230 VAC supply HC-993-11
24 VAC/VDC HC-993-12
230/24 VDC AUX HC-993-13
24/24 VDC AUX HC-993-14
31
MULTICAL® 803-A - Pt100/Pt500
x2 x4
32
MULTICAL® 803-M - Pt100/Pt500
x2 x4

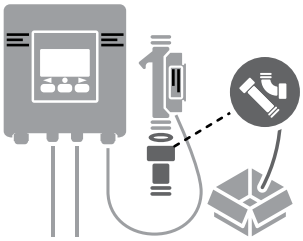
1/7

DN15 - DN125

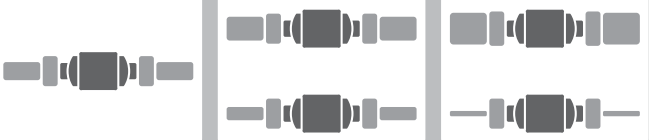


PN16, PS16	PN16, PS16 < DN100	PN16, PS16
PN25, PS25	PN25, PS25	PN25, PS25
PN40, PS32	PN40, PS32	PN40, PS32

PN16, PS16 | PN25, PS25 | PN40, PS32



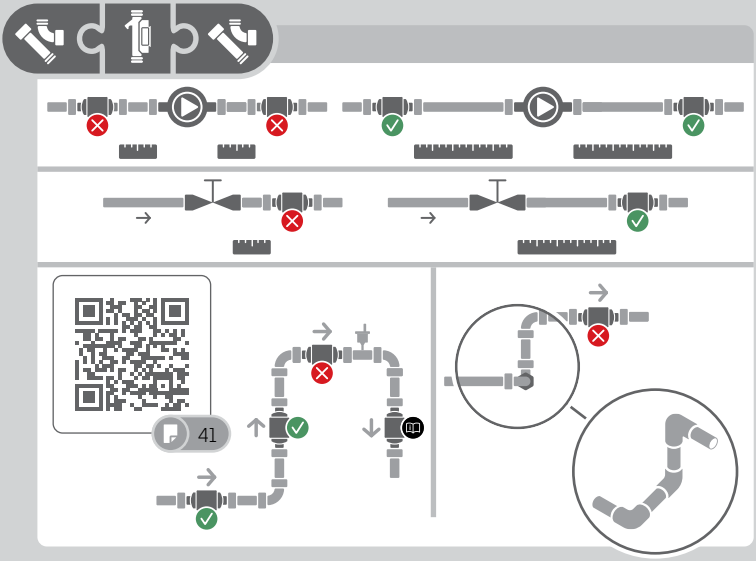
DN20 | DN25 / DN15 | DN32 / DN10

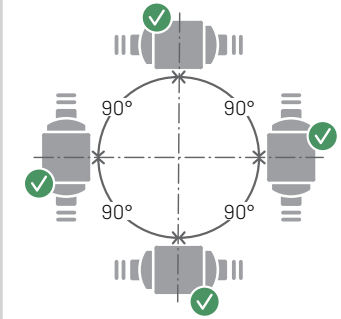


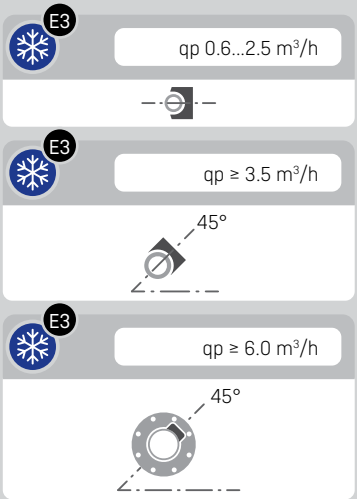
ULTRAFLOW®

11 -		V2
9 +		
69		
11 -		V1
9 +		
10		

V1	11 -	V1	11B -
	10		10B
V2	11 -	V2	79B -
	69		69B

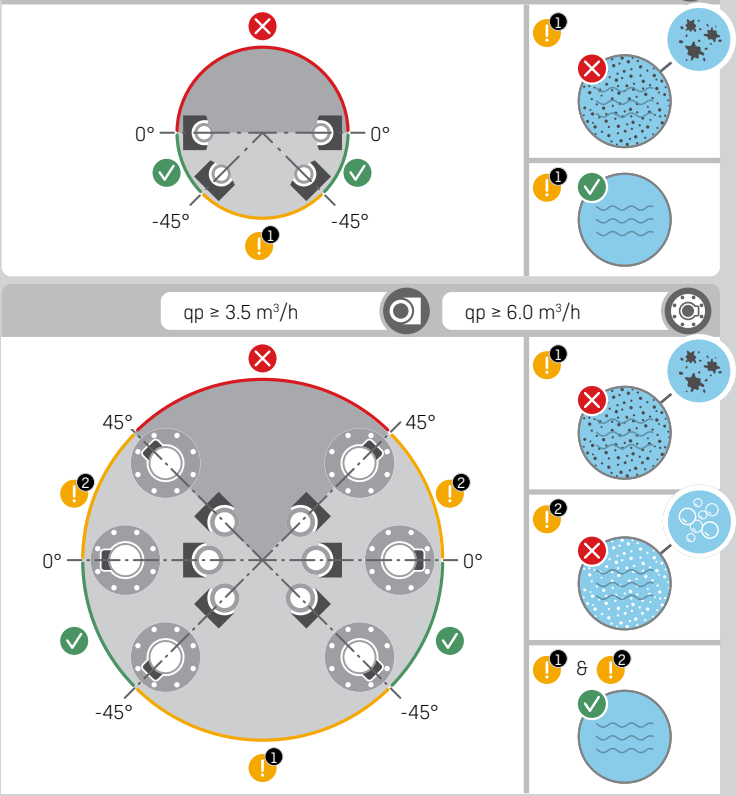

41


90°
90°
90°
90°


E3
qp 0.6...2.5 m³/h
E3
qp ≥ 3.5 m³/h
45°
E3
qp ≥ 6.0 m³/h
45°

4/7

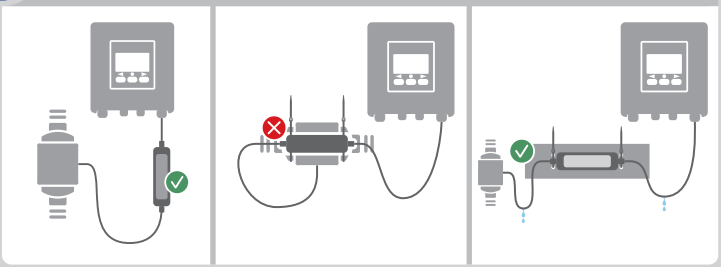
qp 0.6...2.5 m³/h



5/7

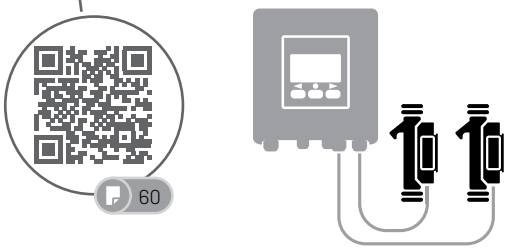
E3

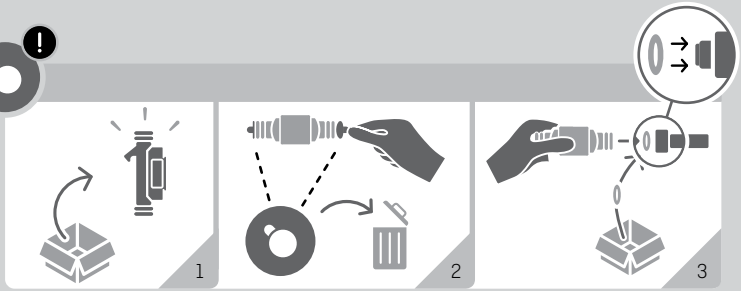
ULTRAFLOW® 44



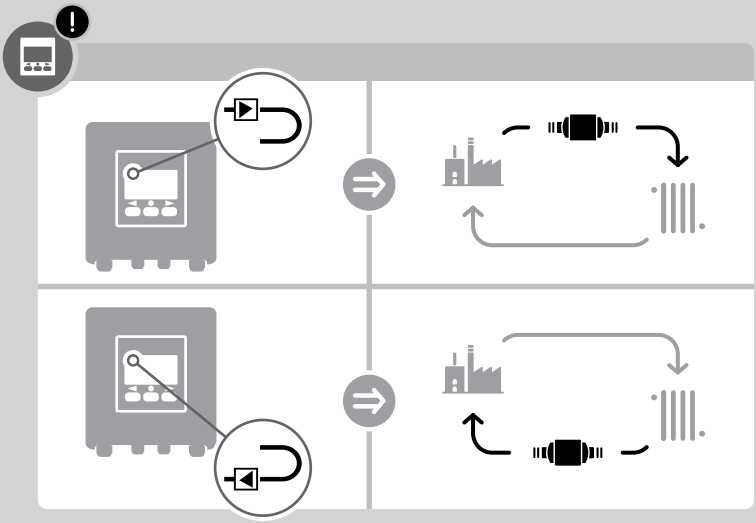
x2 =

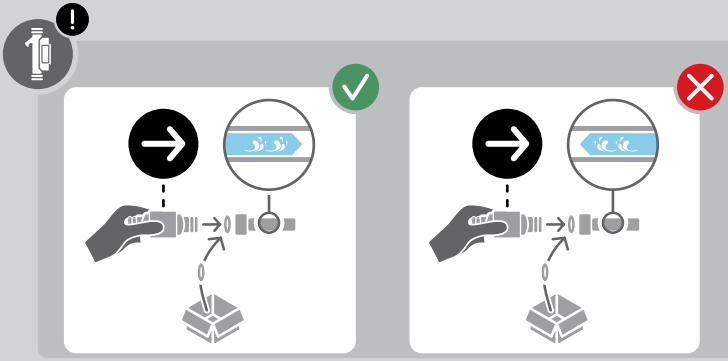
+ V2



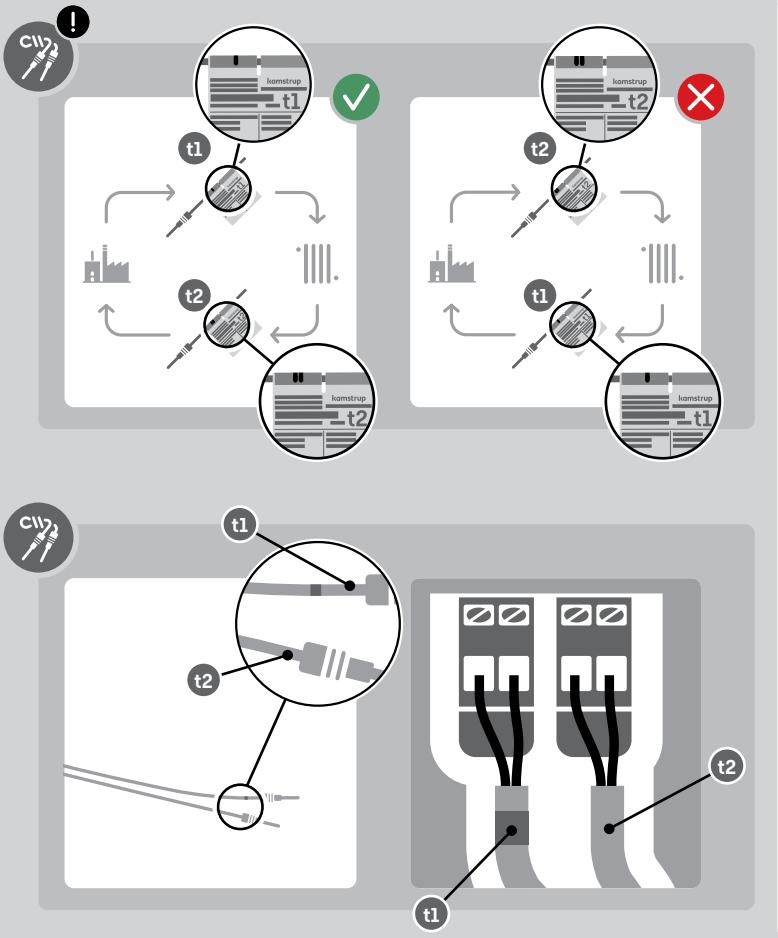


6/7



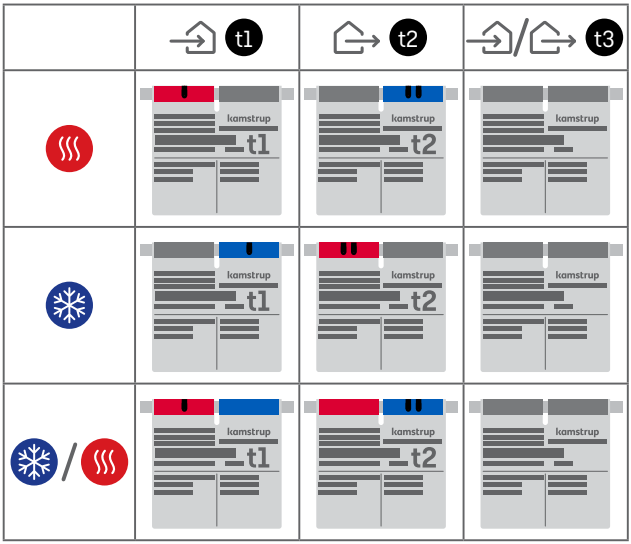


7/7

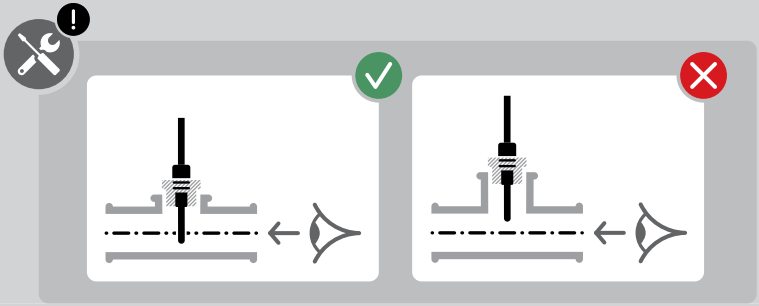


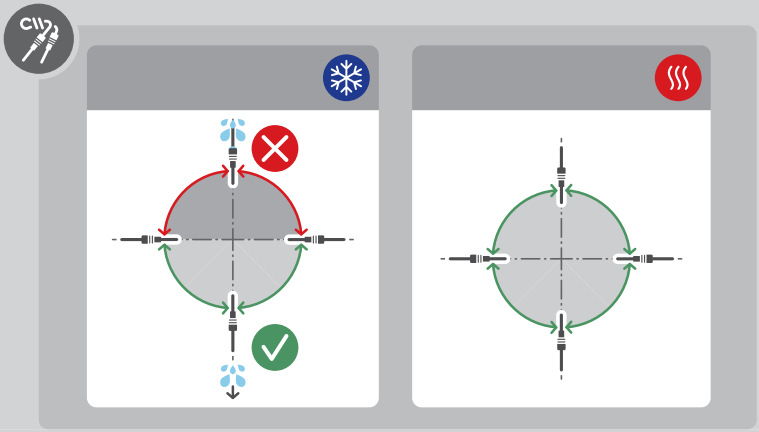
1/5

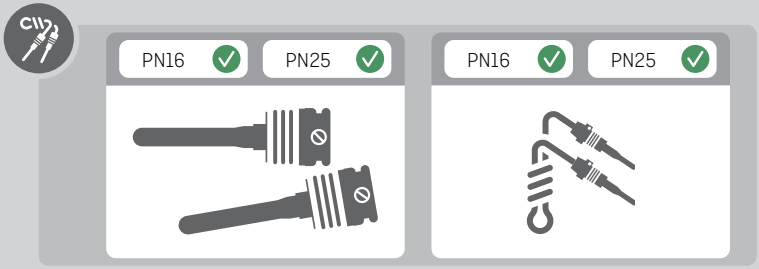
[x1] t1 [x2] t2 [x0] t3



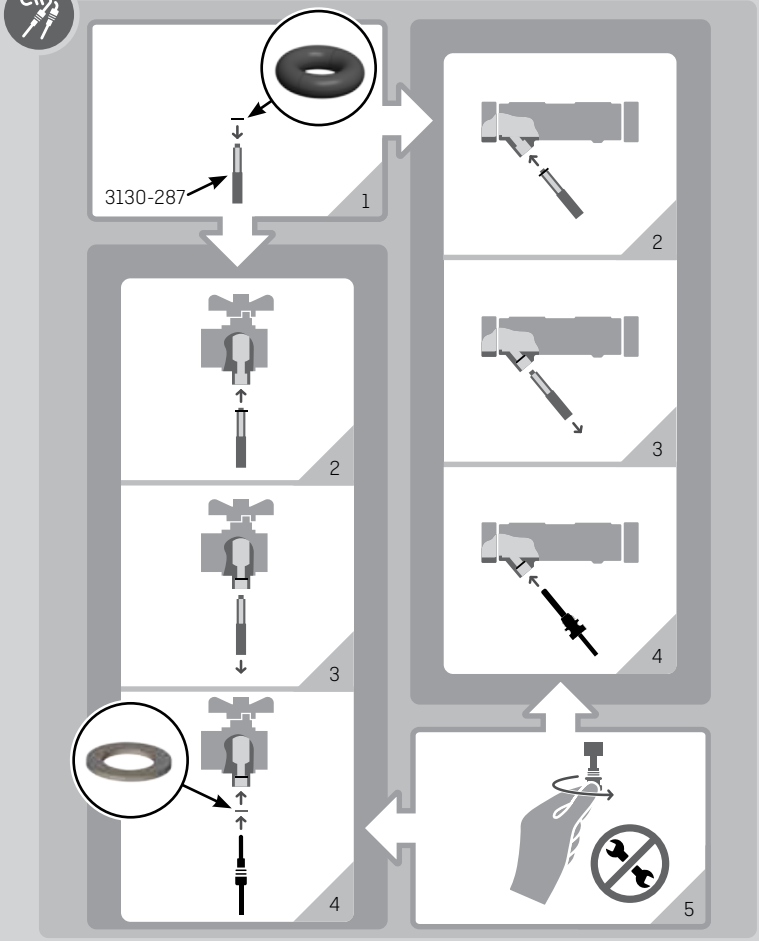
2/5

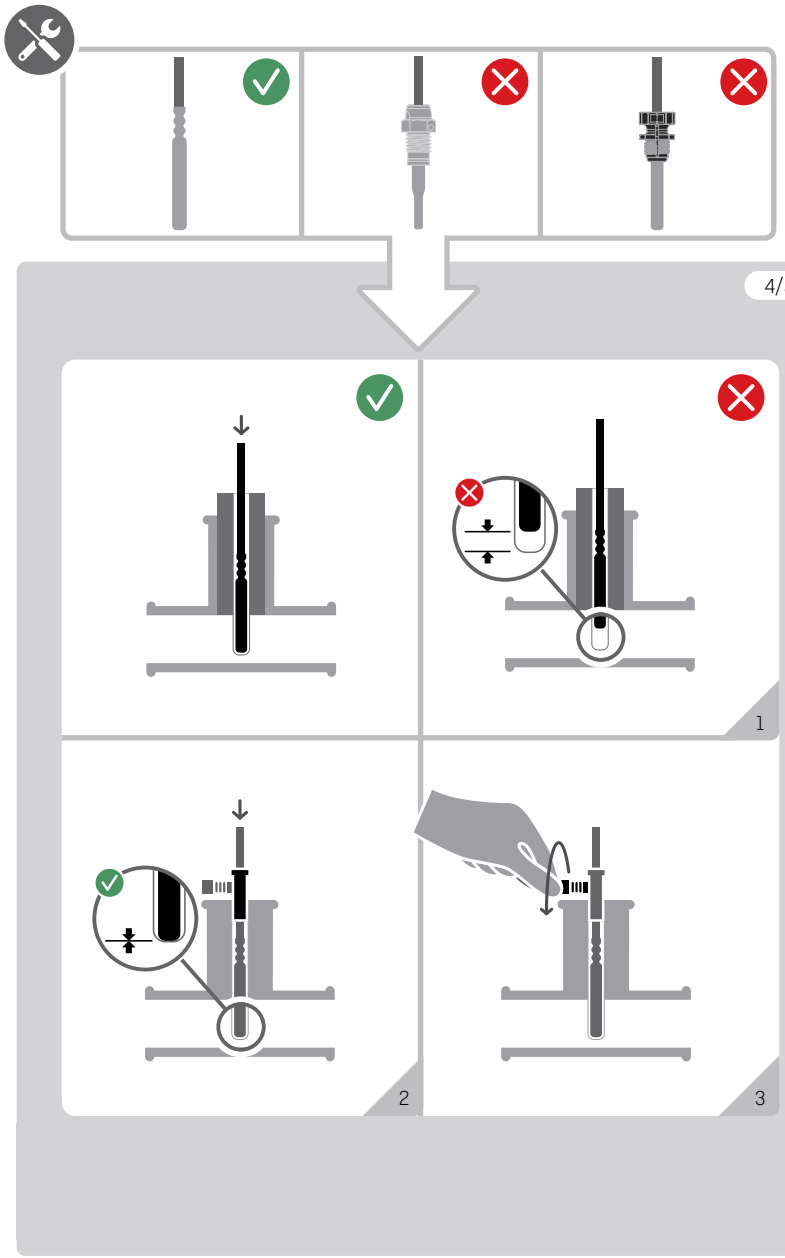




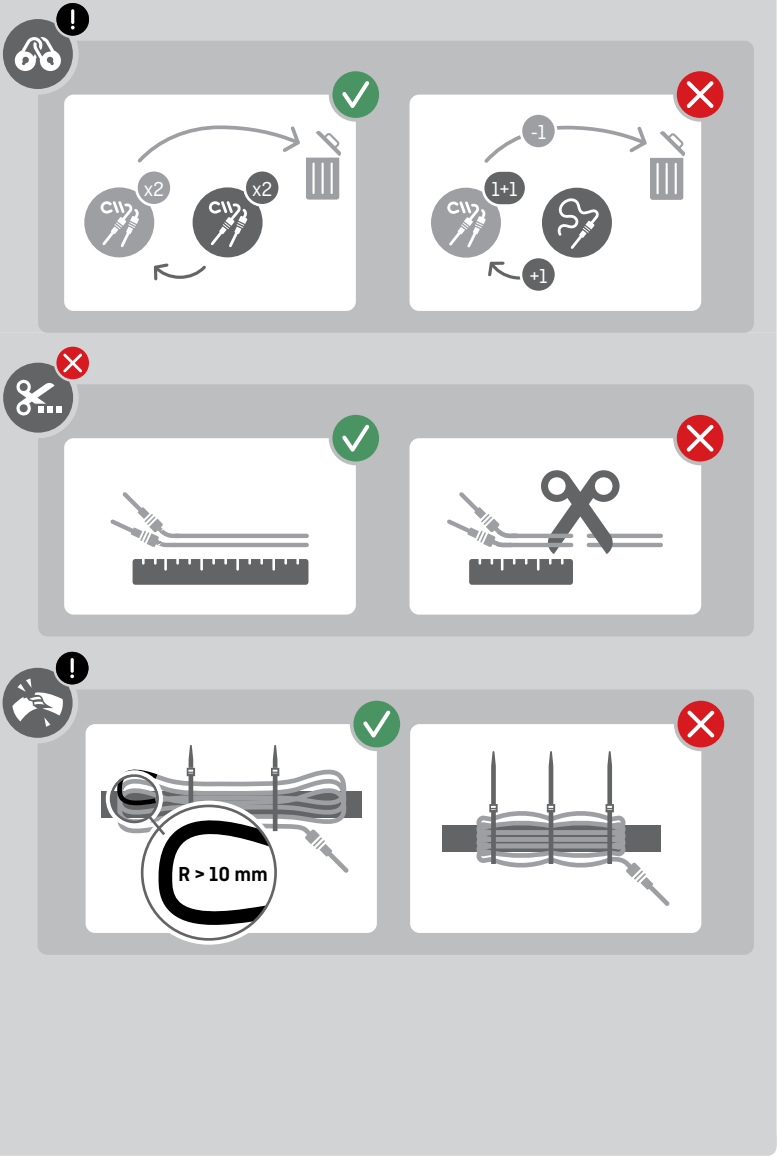


3/5

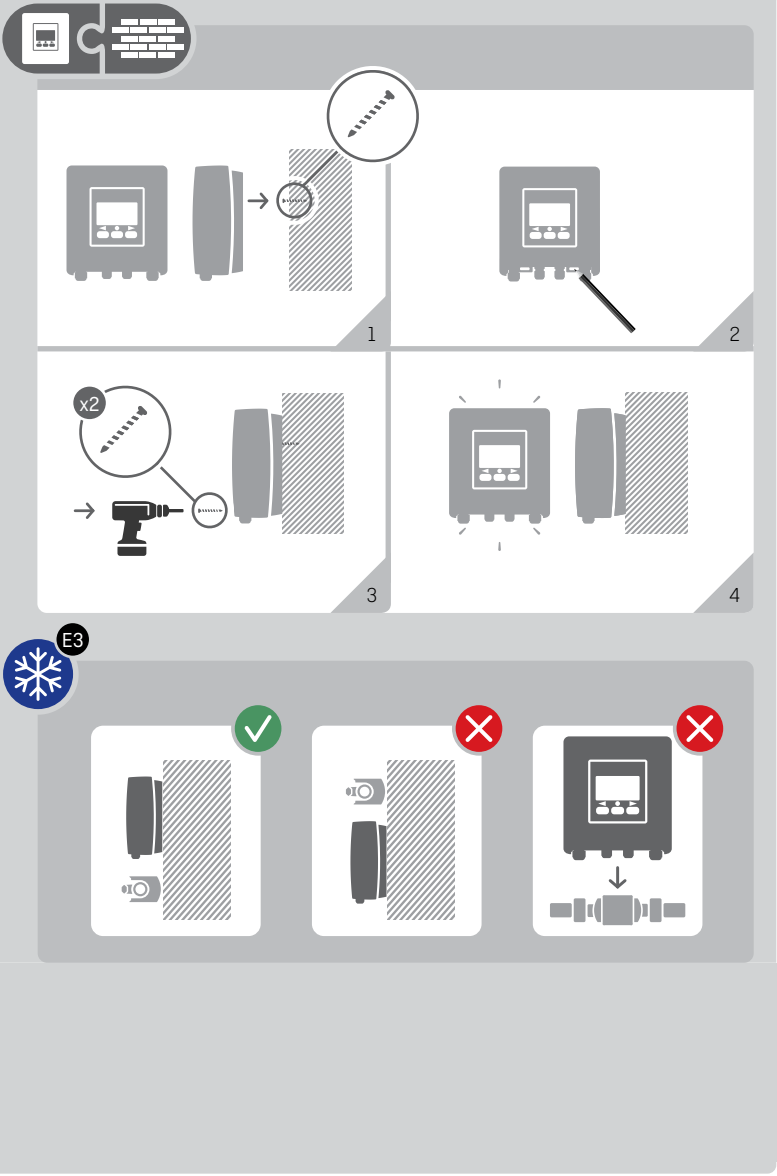



4/5
1
2
3

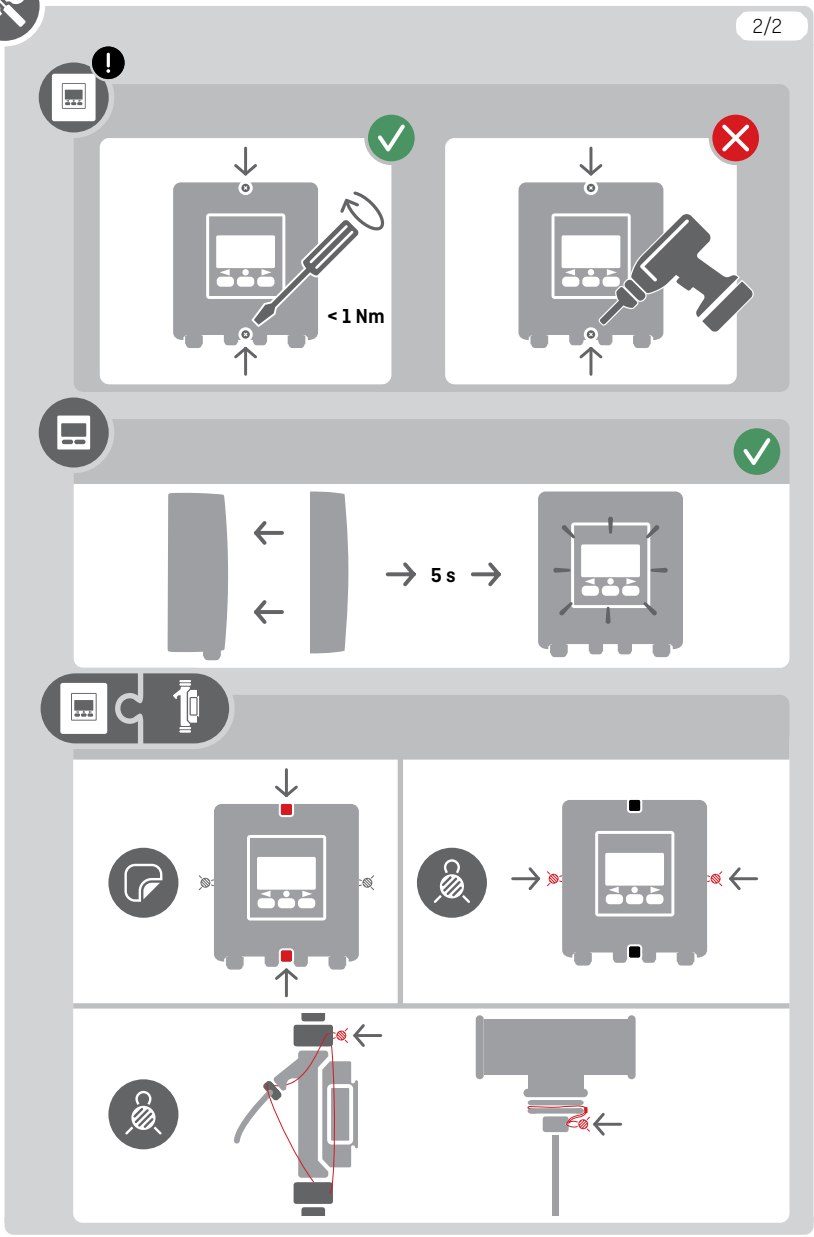
5/5

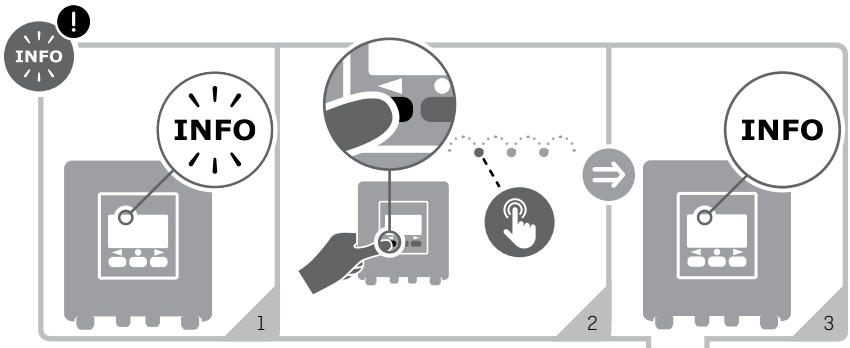


1/2

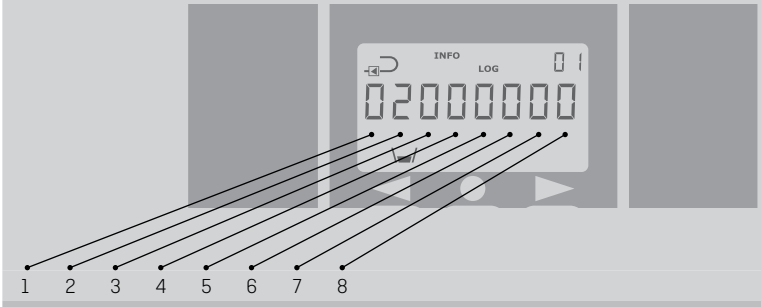


2/2




INFO
INFO
INFO
1
2
3

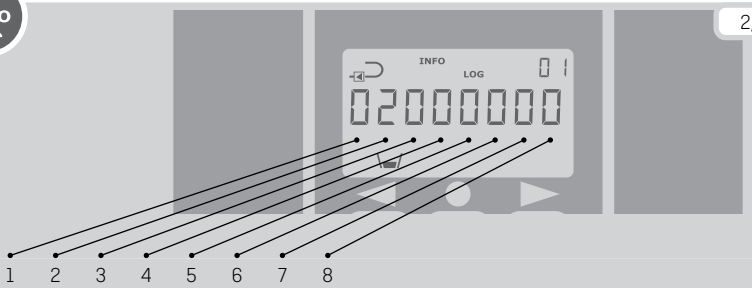
1/5

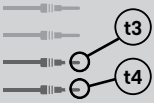
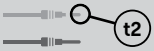
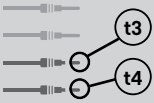

INFO
LOG
02000000
1 2 3 4 5 6 7 8
Info t1 t2 0 V1 0 In-A In-B

1								
2								
9								

INFO

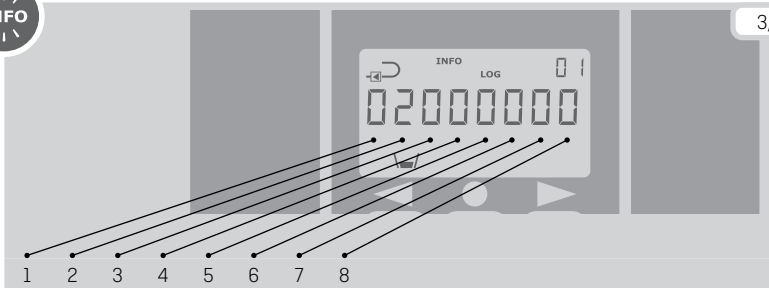
2/5



Info	t1	t2	0	V1	0	In-A	In-B	
	1							**t1** > 185 °C 
		1						**t2** > 185 °C 
			1					**t3/t4** > 185 °C 
	2							**t1** < 0 °C 
		2						**t2** < 0 °C 
			2					**t3/t4** < 0 °C 
	9	9						Δt (**t1**-**t2**) = ✕

INFO

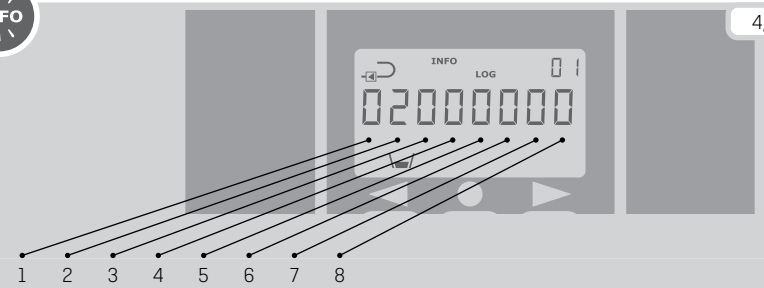
3/5

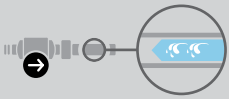
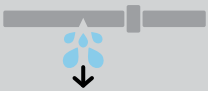
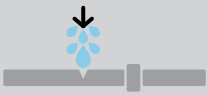


Info	t1	t2	0	V1	0	In-A	In-B	
				1				**V1**:
					1			**V2**:
				2				**V1**: **p/l** = ✗
					2			**V2**: **p/l** = ✗
				3				**V1**:
					3			**V2**
				4				**V1**:

INFO

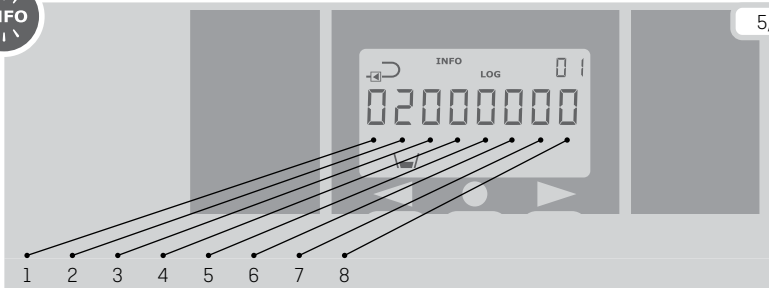
4/5



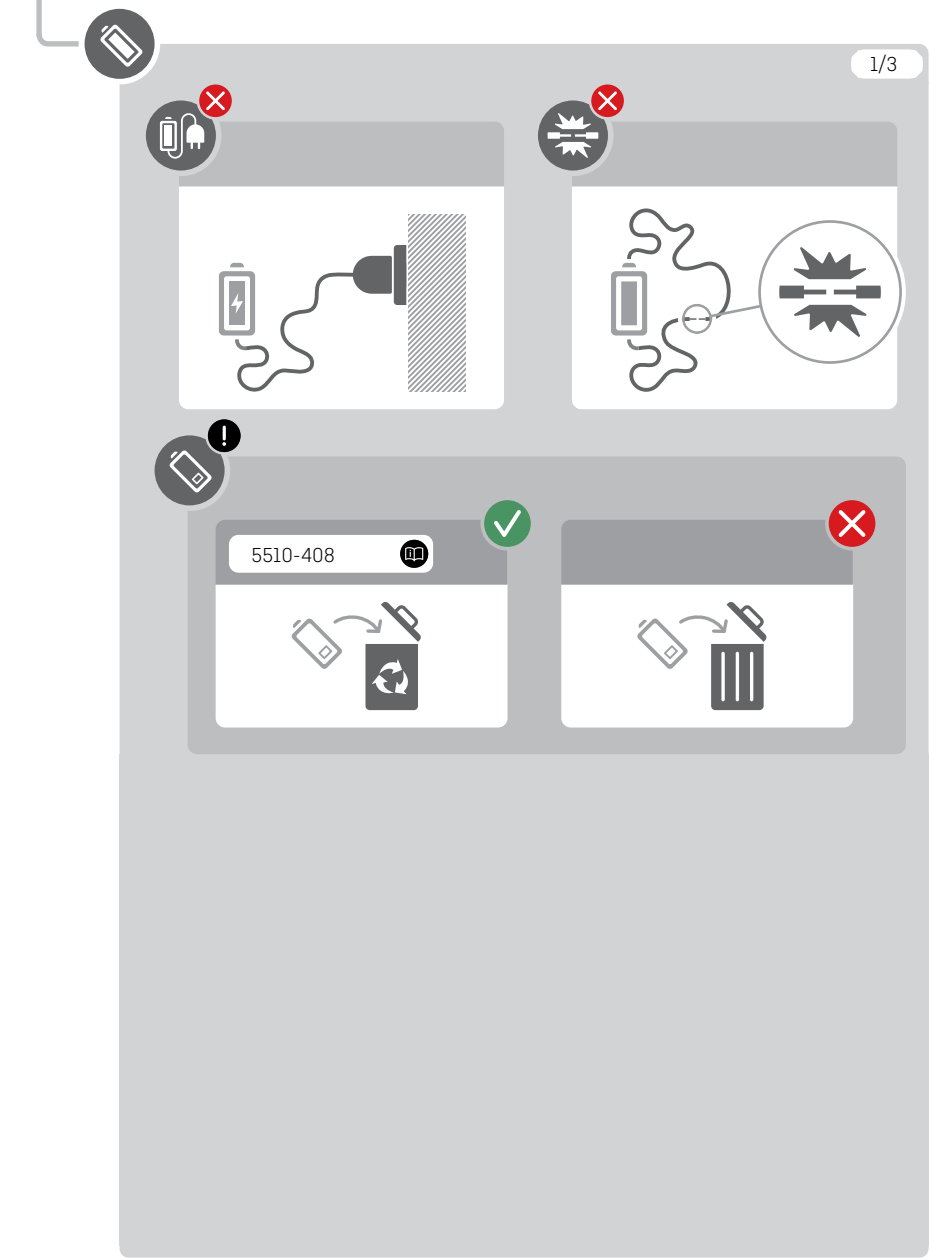
Info	t1	t2	0	V1	0	In-A	In-B	
					4			**V2**: 
				6				**V1** > qs
					6			**V2** > qs
				7				
					7			
				8				
					8			

INFO

5/5

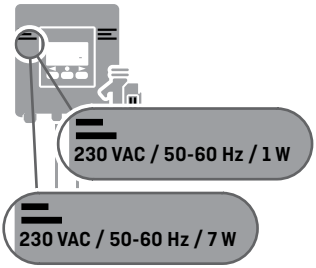


Info	t1	t2	0	V1	0	In-A	In-B	
						7		A2:
						8		A1:
						9		A1/A2:
							7	B2:
							8	B1:
							9	B1/B2:

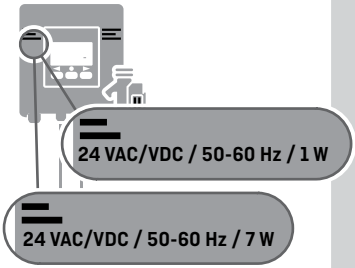

1/3
5510-408

2/3

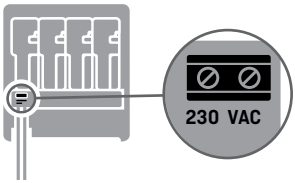
230 VAC / 50-60 Hz



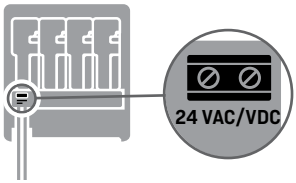
24 VAC / 50-60 Hz



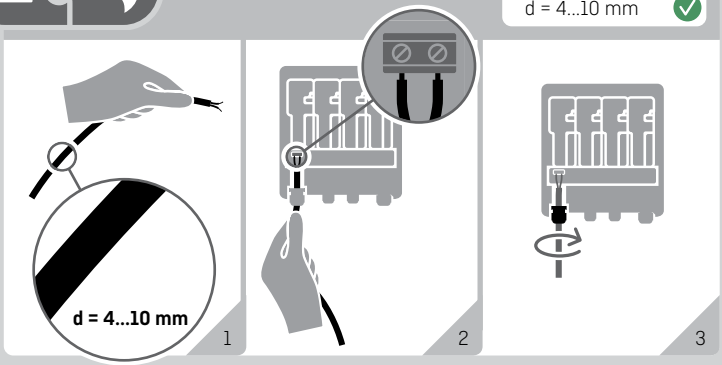
230 VAC



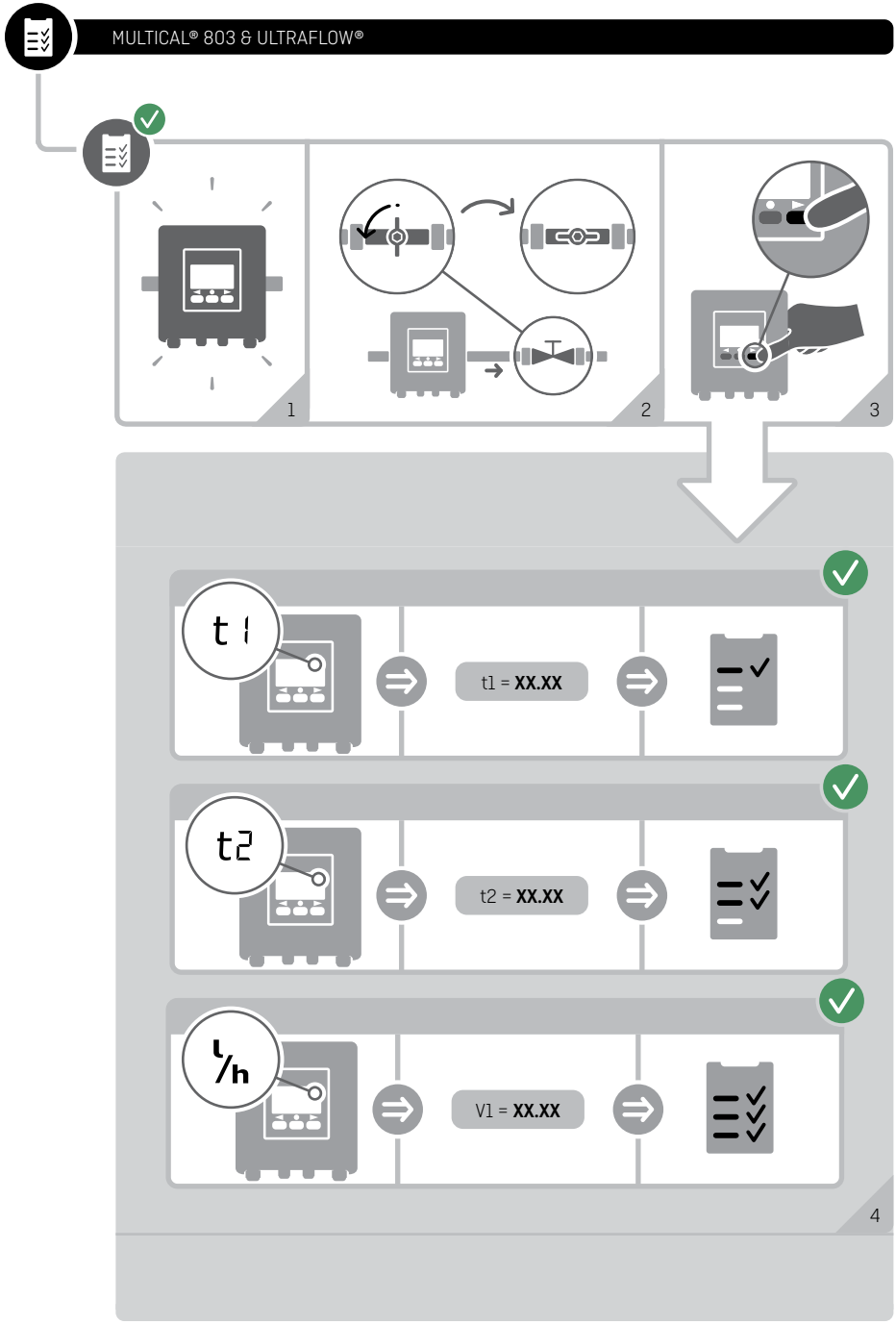
24 VAC/VDC



d = 4...10 mm

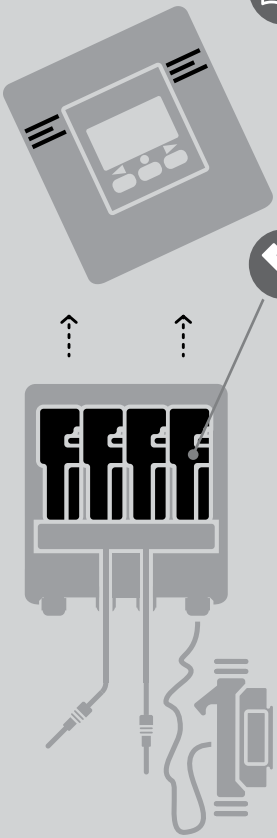


3/3


1
2
3
t1
t1 = XX.XX
t2
t2 = XX.XX
l/h
V1 = XX.XX
4

1/3

https://www.kamstrup.com/en-en/heat-solutions/meters-devices/meters/multical-803



Data +	HC-003-10
Data +	HC-003-11
M-Bus +	HC-003-20
M-Bus +	HC-003-21
M-Bus +	HC-003-22
linkIQ/wM-Bus +	HC-003-32
linkIQ/wM-Bus +	HC-003-33
wM-Bus+	HC-003-34
Analog	HC-003-40
Analog	HC-003-41
PQT+	HC-003-43
Radio +	HC-003-50
Radio GDPR +	HC-003-51
NB-IoT +	HC-003-56
LON TP/FT-10	HC-003-60
BACnet +	HC-003-66
Modbus RTU +	HC-003-67
2G/4G Network	HC-003-80
BACnet IP +	HC-003-81
Modbus +	HC-003-82
READy TCP/IP	HC-003-83
Kamstrup RF HP	HC-003-84
Kamstrup RF HP GDPR	HC-003-85

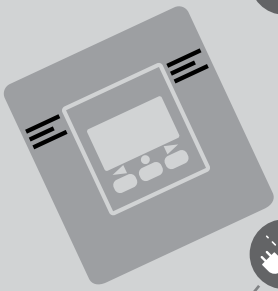
= In-A / In-B

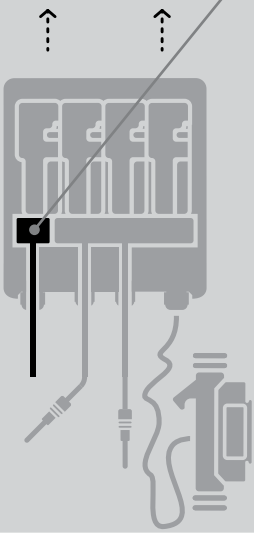
= Out-C / Out-D

= In 1 / In 2

= Out 1 / Out 2

https://www.kamstrup.com/en-en/heat-solutions/meters-devices/accessories

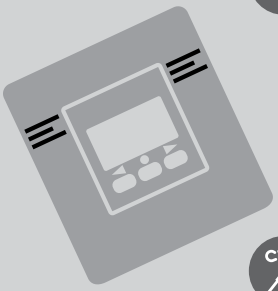


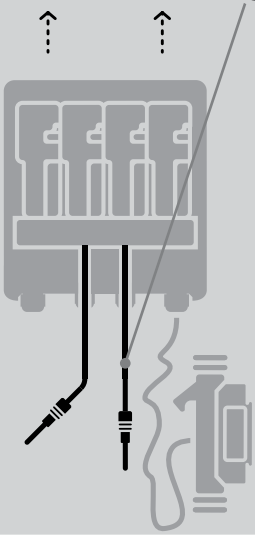


2xA	HC-993-10
1 x 230 VAC	HC-993-11
1 x 24 VAC/VDC	HC-993-12
2 x 230 VAC	HC-993-13
2 x 24 VAC/VDC	HC-993-14

3/3

https://www.kamstrup.com/en-en/heat-solutions/meters-devices/temperature-sensors





2 x Pt500

DS 27,5 mm	L = 1,5 - 3,0 m
DS 38,0 mm	L = 1,5 - 3,0 m
PL ø5,8 mm	L = 1,5 - 10,0 m

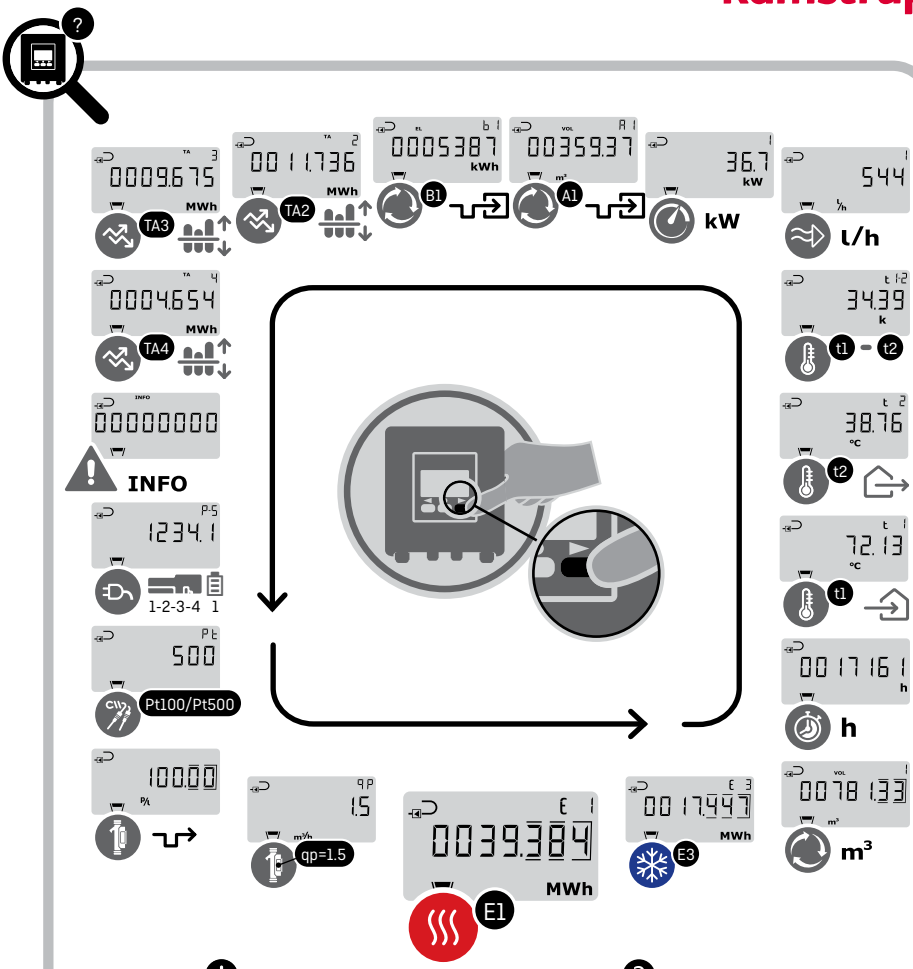
2 x Pt100

DS 27,5 mm	L = 2,0 m

4 x Pt100/Pt500

PL ø6,0 mm	L = 105 - 230 mm
PL ø5,8 mm	L = 65 - 180 mm

kamstrup



DDD = 310/610

https://guides.kamstrup.com/userguides/gb_mc803.htm

MOLLINÉ
Messtechnik der Zukunft

MULTICAL® 803 & ULTRAFLOW®