153 Sounder



- Up to 8 different tones (12 V; 24 V)
- 3 tones can be triggered externally (12 V; 24 V)
- Externally adjustable sound output (-10 dB)
- „Status Light" to emphasise the audible warning signal
- Ideal addition to LED Beacon 853
- Innovative connector to create traffic light combinations
- Easy assembly due to quick-release screws
- Ideal addition to LED Beacon 853



The innovative connector (accessory) enables traffic light combinations to be created in a matter of seconds



„Status Light" function to generate additional awareness of the audible signal

TECHNICAL SPECIFICATIONS:

Dimensions (L x H x W):	85 mm x 85 mm x 72 mm
Housing:	PP-GF, black
Lens:	PC, tinted black
Connection:	Screw terminal with wire protection, max. 1.5 mm²
Cable entry:	Cable diameter max. 8 mm, optional cable gland M20 (accessory)
Fixing:	Wall, base and ceiling mounting
Equipment:	Eight self-sealing membranes for cable entry without tools. Eight integrated M20 threads, no nuts required. Optional use of a cable gland, thread length of cable gland ≤ 9 mm (accessory)
Assebly:	Incl. snap-on fixing bracket (optional use)

ORDER SPECIFICATIONS:

Play Sound www.werma.com

Voltage	12 V DC	24 V DC	48 V AC	115-230 VAC
Current consumption	150 mA	100 mA	150 mA	75 mA (115 V) 150 mA (230 V)
	153 000 54	**153 000 55**	**153 000 66**	**153 000 60**

The technical specifications and order specifications of the 853 LED Beacons can be found at www.werma.com or on page 135 (LED Permanent Beacon), page 152 (LED Double Flash Beacon) and on page 153 (LED EVS Beacon).
Traffic light configurator at **www.werma.com**

ACCESSORIES:

Connector for traffic light combinations	**975 853 01**
Cable gland M20 x 1.5 mm, 8 mm thread length	**975 853 02**

TONE TYPES AND FREQUENCIES:

Tone	Tone type	Tone	Ton type
1	Continuous tone (ca. 3000 Hz)	5	800 - 970 Hz rising @ 1 Hz
2	Horn tone (ca. 110 Hz)	6	2400 - 2850 Hz rising @ 7 Hz
3	1 Hz tone (ca. 3,0 kHz)	7	1200 - 500 Hz falling @ 1 Hz
4	20 Hz whistle tone (ca. 3,0 kHz)	8	Alternating tone 800 Hz/1200 Hz@1 Hz

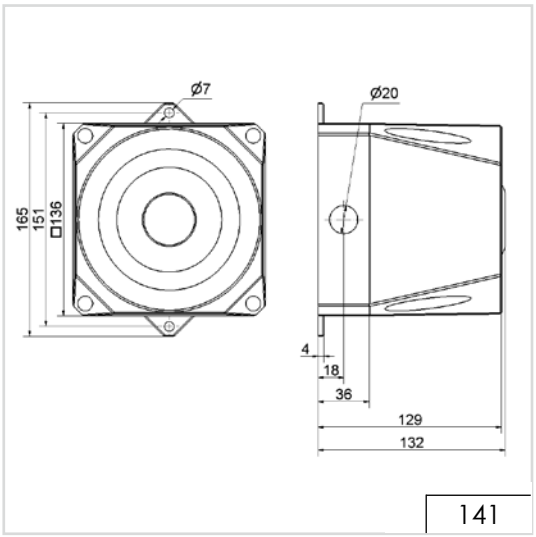
TECHNICAL DIAGRAMS:

see page 297

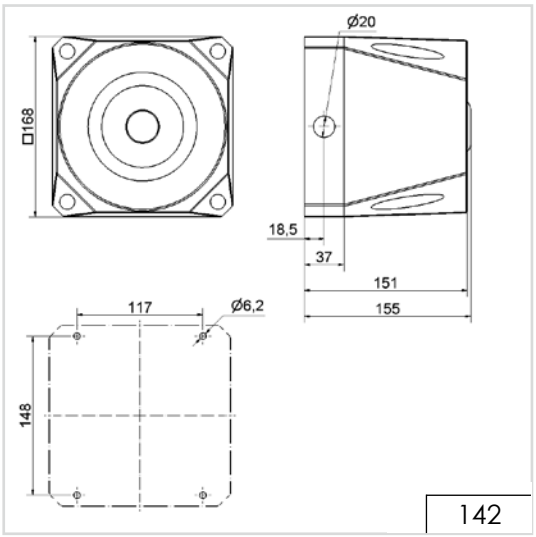
12 V, 24 V 48 V, 115-230 V

CE 160 g IP66 +50°C -25°C 105 dB 8 1

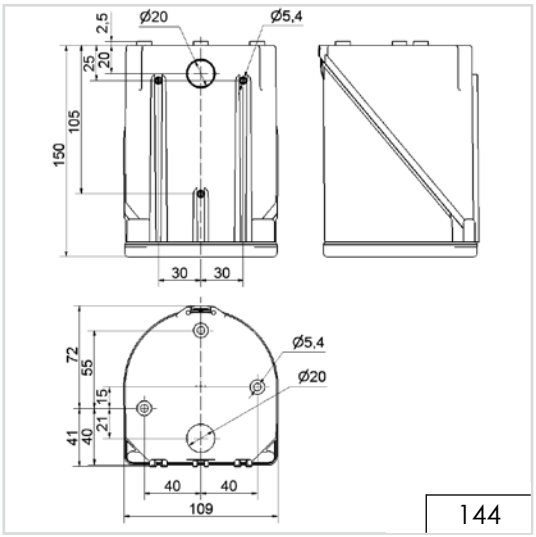
WERMA SIGNALTECHNIK



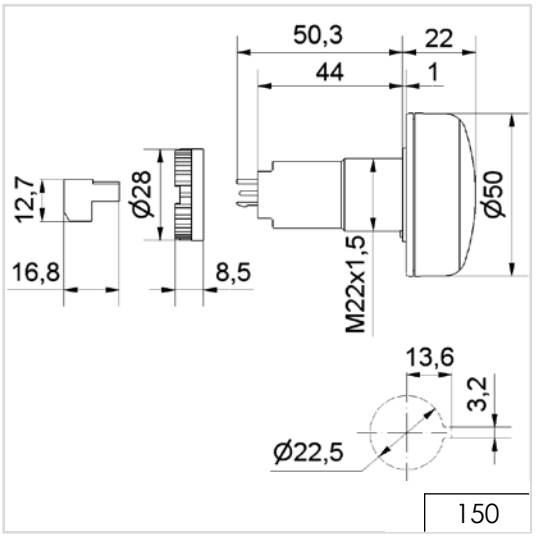
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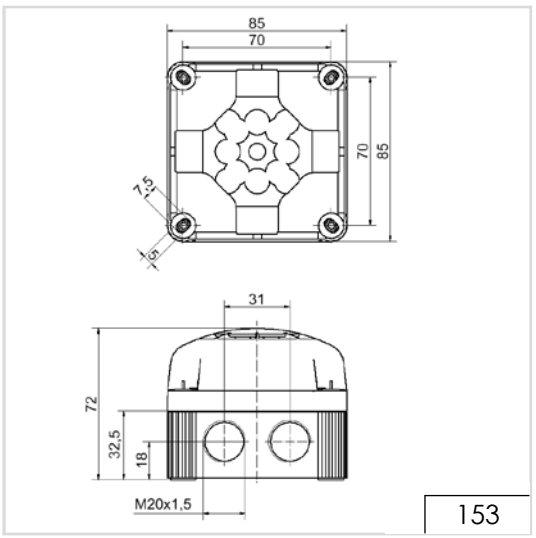
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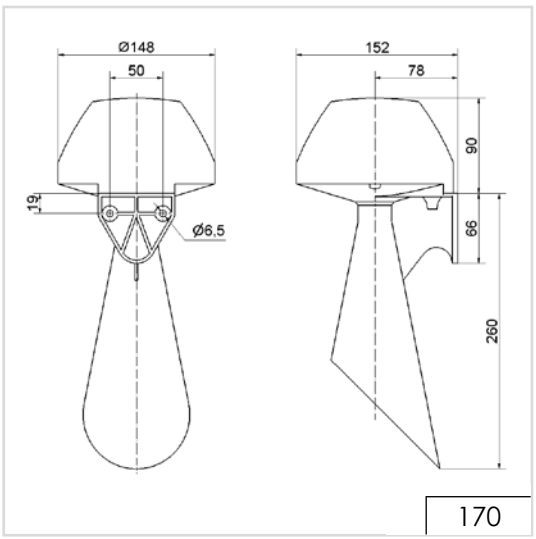
144



150



153



170

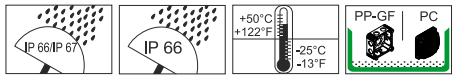
ADDITIONAL INFORMATION:

You are welcome to request the technical diagrams in digital form. The relevant 3D models, instruction leaflets and connection diagrams can be obtained from us or downloaded from our homepage at any time.

WERMA SIGNALTECHNIK 853/153

EN 60947-5-1 / VDE 0660

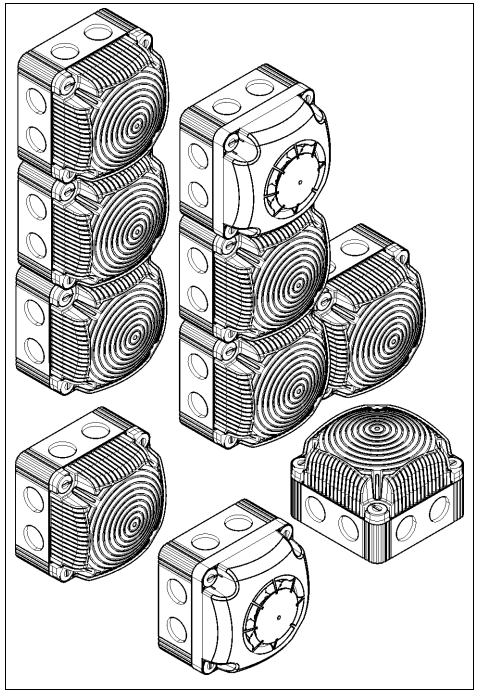
853 xxx xx | 153 000 xx



853 x00 xx | 853 x10 xx 853 x20 xx | 153 000 xx | 153 000 xx



EAC



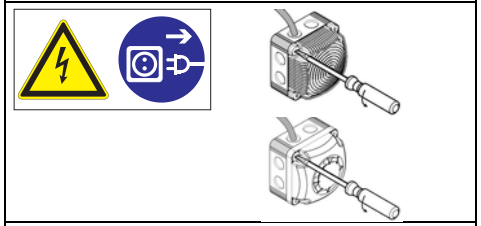
310.853.001.0714 © (D)

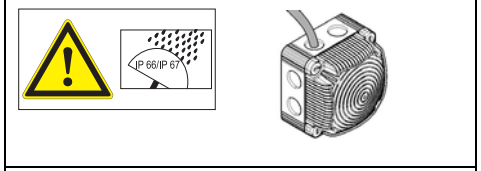
WERMA SIGNALTECHNIK

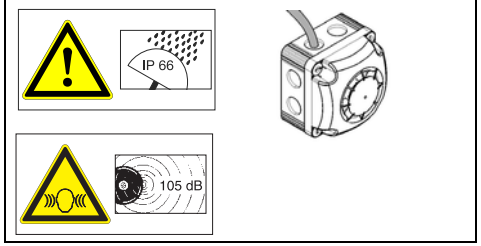
WERMA Signaltechnik GmbH + Co. KG
D-78604 Rietheim-Weilheim
Telefon +49 (0)7424 / 9557-0
Telefax +49 (0)7424 / 9557-44
info@werma.com
www.werma.com



(D) Anschluss **ausschließlich** durch ausgebildete Elektro-Fachkräfte.
(GB) Electrical connection is to be made by trained electrical specialists **only**.
(F) Le branchement doit **uniquement** être effectué par des professionnels.
(I) Il collegamento deve essere eseguito **solo** da elettricisti specializzati.
(E) La conexión **sólo** debe ser realizada por electricistas debidamente formados.
(PT) A ligação deve ser feita **exclusivamente** por profissional elétrico especializado.
(NL) De aansluiting mag **enkel** gebeuren door erkende vakmensen.
(CZ) Připojení smí **provádět** pouze kvalifikovaný personál.
(PL) Podłączenie **wyłącznie** przez specjalistów-elektryków.
(FI) Liittäminen kuuluu **ainoastaan** koulutettujen sähköalan ammattilaisten tehtäviin.
(RUS) Подключение проводится только специалистом-электриком.
(TR) Bağlantı **sadece** eğitimli elektrik teknisyenleri tarafından yapılmalıdır.
(CN) 布线需由专业电工执行









853 x20 xx

(D) Bei Epilepsie ungeeignet!
(GB) Unsuitable for epilepsy sufferers
(F) Ne convient pas aux personnes souffrant d'épilepsie
(I) Inadatto per epilettici
(E) Inadecuado para epilépticos
(PT) Não aconselhavel a pessoas que sofram de Epilepsia
(NL) Niet geschikt voor epileptici.
(CZ) Nevhodné pro epileptiky
(PL) Nie stosować przy zchorzeniu padaczki
(FI) Ei sovellu epileptikoille
(RUS) Не подходит для страдающих эпилепсией
(TR) Epilepsi hastaliği olanlarin kullanmamasi önerilir
(CN) 不适用于癫痫病患者



853 x00 54	12 VDC, ≤ 180 mA, I_0 < 1250 mA
853 x00 55	24 VDC, ≤ 80 mA, I_0 < 500 mA
853 x00 66	48 V~, ≤ 35 mA, I_0 < 200 mA
853 x00 60	115–230 V~, ≤ 40 mA, I_0 < 7 A
853 x10 54	12 VDC, ≤ 100 mA, I_0 < 1250 mA
853 x10 55	24 VDC, ≤ 80 mA, I_0 < 500 mA
853 x10 66	48 V~, ≤ 90 mA, I_0 < 2 A
853 x10 60	115–230 V~, ≤ 180 mA, I_0 < 7 A
853 x20 54	12 VDC, ≤ 400 mA, I_0 < 1250 mA
853 x20 55	24 VDC, ≤ 200 mA, I_0 < 500 mA
853 x20 66	48 V~, ≤ 95 mA, I_0 < 2 A
853 x20 60	115–230 V~, ≤ 180 mA, I_0 < 7 A
153 000 54	12 VDC, ≤ 70 mA, I_0 < 500 mA
153 000 55	24 VDC, ≤ 120 mA, I_0 < 500 mA
153 000 66	48 V~, ≤ 150 mA, I_0 < 2 A
153 000 60	115–230 V~, ≤ 75 – ≤ 150 mA, I_0 < 7 A

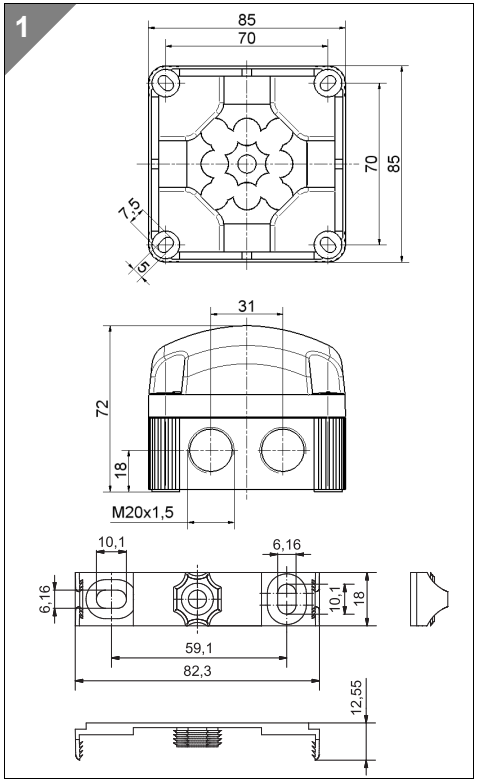


(vgl. Abb. 7b,c / see Fig. 7b,c / ref. Ill. 7b,c)

Stufe Stage Niveau	Code 123	Tonart Tone type Tonalité	Frequenz Frequencies Fréquence
1	000	Dauerton, continuous, continu	ca. 3000 Hz
2	001	Hupenton, horn tone, trompe	ca. 110 Hz
3	010	1 Hz Ton, 1 Hz tone, 1 Hz ton	ca. 3000 Hz
4	011	20 Hz Trillerton, 20 Hz whistle tone, 20 Hz trille	ca. 3000 Hz
5	100	ansteigend, rising, montant	800 - 970 Hz @ 1 Hz
6	101	ansteigend, rising, montant	2400 - 2850 Hz @ 7 Hz
7	110	abfallend, falling, incliné	1200 - 500 Hz @ 1 Hz
8	111	alternierend, alternating, alternant	800/1200 Hz @ 1 Hz

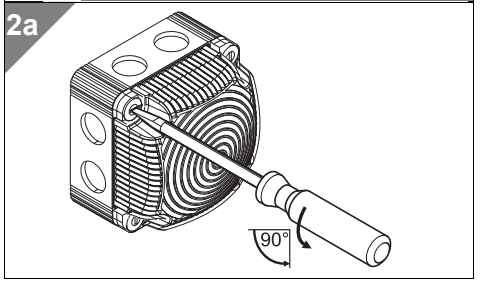


1

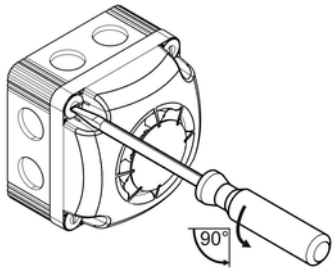


2 2a - 853 2b - 153

2a



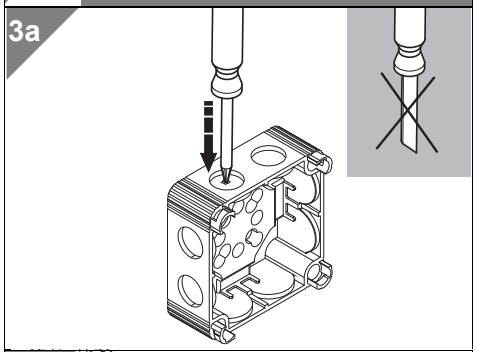
2b



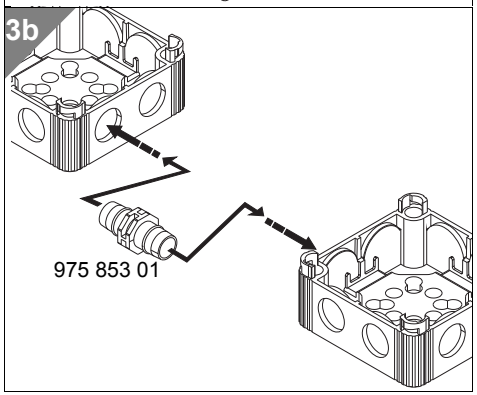
3

3a - 853
3b - 853 + 975 853 01

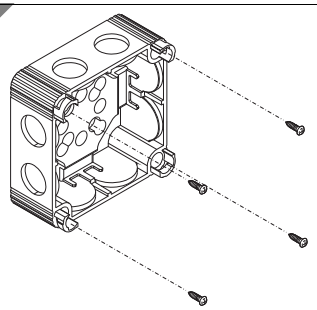
3a



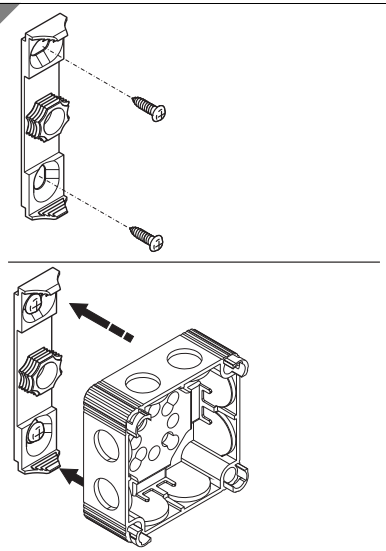
3b



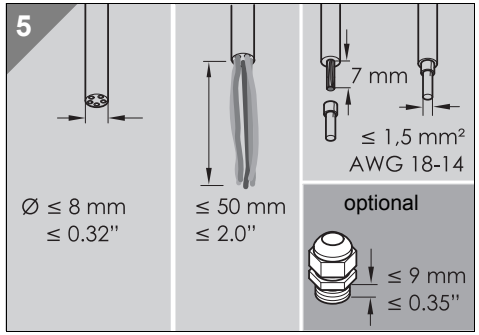
4a



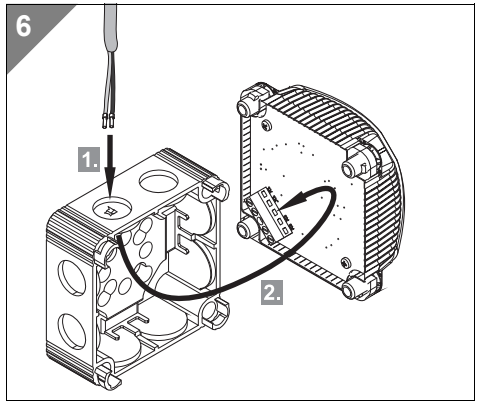
4b



5



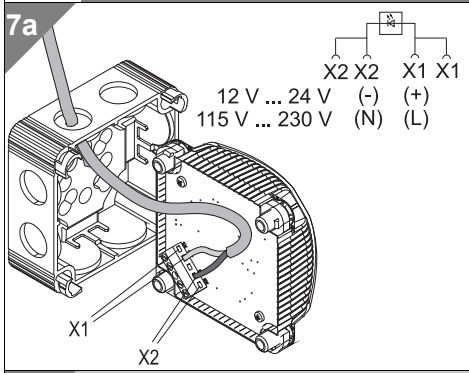
6



7

7a - 853
7b - 153 000 54 / 153 000 55
7c - 153 000 60 / 153 000 66

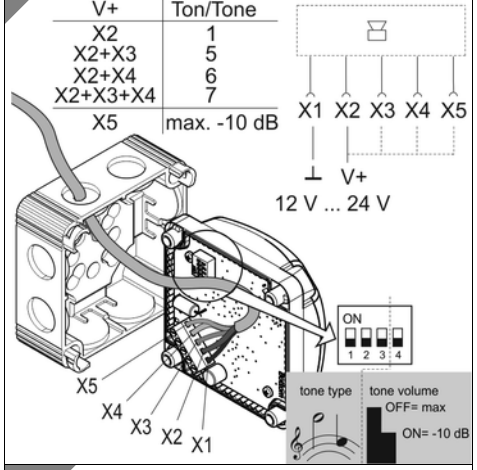
7a



7b

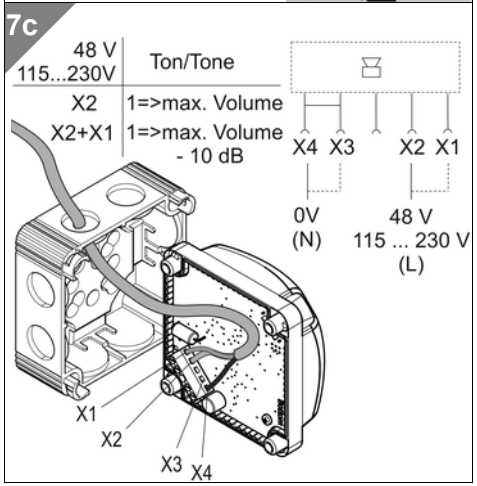
Feste Tonauswahl bei Fernansteuerung:
Specification of tones for external triggering:

V+	Ton/Tone
X2	1
X2+X3	5
X2+X4	6
X2+X3+X4	7
X5	max. -10 dB



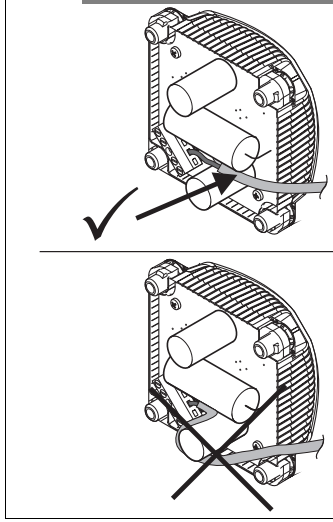
7c

48 V 115...230V	Ton/Tone
X2	1=>max. Volume
X2+X1	1=>max. Volume - 10 dB



8

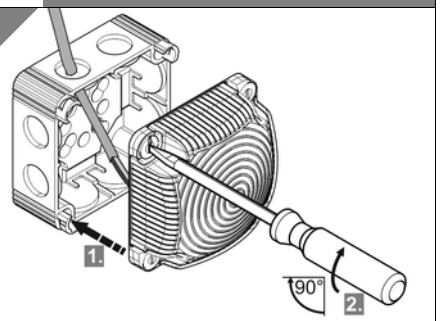
853 x10 60, 853 x10 66
853 x20 60, 853 x20 66
153 000 60, 153 000 66



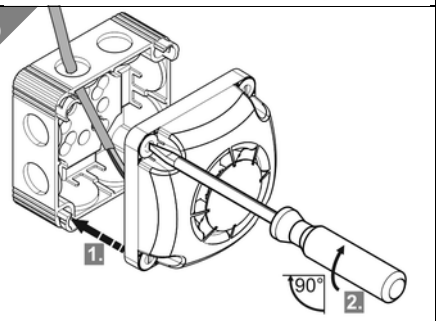
9

9a - 853
9b - 153

9a



9b



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