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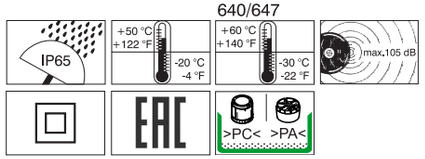
WERMA

640, 641
644, 645, 647

EN 60947-5-1

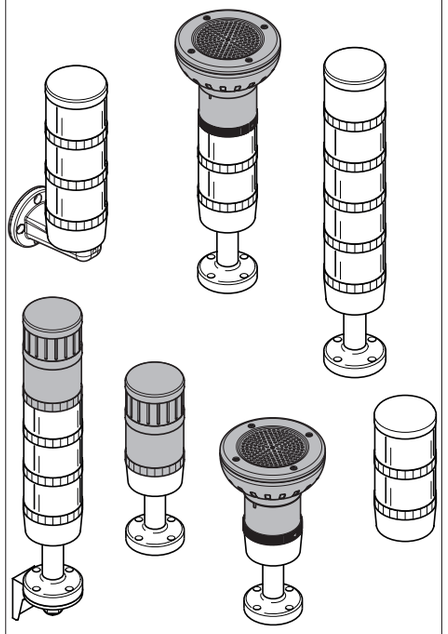
640/647



cULus LISTED

DE Teilweise, siehe Produktkennzeichnung.
EN Partially, check the product label.
FR Partiellement, vérifiez sur étiquette du produit.

KombiSIGN 71/72



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Telefax +49 (0)7424 / 9557-44
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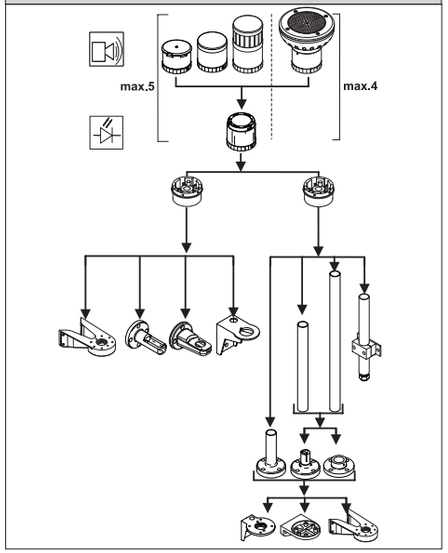
www.werma.com

DE Anschluss **ausschließlich** durch ausgebildete Elektro-Fachkräfte.
EN Electrical connection is to be made by trained electrical specialists **only**.
FR Le branchement doit **uniquement** être effectué par des professionnels.
IT Il collegamento deve essere eseguito **solo** da elettricisti specializzati.
ES 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.
CS Připojení smí **provádět** pouze kvalifikovaný personál.
PL Podłączenie **wyłącznie** przez specjalistów-elektryków.
FI Liittäminen kuuluu **ainoastaan** koulutettujen sähköalan ammattilaisten tehtäviin.
RU Подключение проводится только специалистом-электриком.
TR Bağlantı sadece eğitimli elektrik teknisyenleri tarafından yapılmalıdır.
ZH 布线需由专业电工执行。

EVS

644 x40 55
647 x20 55
647 x40 55

DE WARNUNG: Bei Epilepsie ungeeignet.
EN WARNING: Unsuitable for epilepsy sufferers.
FR AVERTISSEMENT: Ne convient pas aux personnes souffrant d'épilepsie.
IT AVVERTENZA: Inadatto per epilettici.
ES ADVERTENCIA: Inadecuado para epilépticos.
PT AVISO: Não aconselhável a pessoas que sofrem de epilepsia.
NL WAARSCHUWING: Niet geschikt voor epileptici.
CS VAROVÁNÍ: Nevhodné pro epileptiky.
PL OSTRZEŻENIE: Nie stosować przy zchorzeniu padaczki.
FI VAROITUS: Ei sovellu epileptikoille.
RU ПРЕДУПРЕЖДЕНИЕ: Не подходит для страдающих эпилепсией.
TR UYARI: Epilepsi hastalığı olanların kullanması önerilir.
ZH 警告：不适用于癫痫病患者。



Terminal element	640 xx0 00 640 812 01	12-230 V≃ 12-230 V≃	
TwinLIGHT	647 x10 75 647 x30 75	24 V≃ 24 V≃	< 80 mA < 80 mA
TwinFLASH	647 x20 55 647 x40 55	24 V= 24 V=	< 80 mA < 80 mA
Multicolour	644 450 55	24 V=	< 120 mA
LED Permanent	644 x00 75 644 x00 67 644 x00 68	24 V≃ 115 V~ 230 V~	< 35 mA < 25 mA < 35 mA
LED RD Perm- GN anent YE	644 100 54 644 200 54 644 300 54	12 V= 12 V= 12 V=	< 50 mA < 50 mA < 50 mA
LED Blinking	644 x10 75 644 x10 67 644 x10 68	24 V≃ 115 V~ 230 V~	< 30 mA < 25 mA < 35 mA
LED Flash	644 x60 55 644 x60 60	24 V= 115-230 V~	< 75 mA < 15 mA
LED Double Flash	644 x20 55	24 V=	< 92 mA
LED Rotating	644 x30 75	24 V≃	< 40 mA
LED Ultrabright	644 x80 55	24 V=	< 190 mA
LED-EVS	644 x40 55	24 V=	< 123 mA
LED AS-i Flash [1]	644 x90 55	24 V=	< 30 mA
Permanent	641 x00 00	12-230 V≃	
BA 15 d	956 x00 75 956 x00 67 956 x00 68	24 V≃ 115 V~ 230 V~	< 45 mA < 15 mA < 15 mA

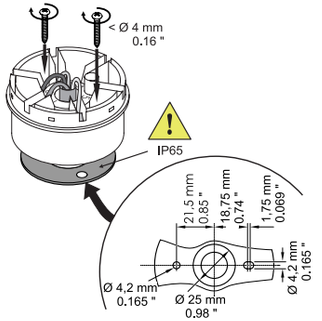
[1] See manual 310.840.014

BA 15 d, < 42 mm	955 840 34 955 840 35 955 840 38 955 840 57	12 V 24 V 230 V 115 V	5W 5W 5W 5W
95-105 dB	645 870 75 645 870 67 645 870 68 645 102 75	24 V≃ 115 V~ 230 V~ 24 V≃	< 40 mA < 60 mA < 60 mA < 40 mA
< 85 dB	645 800 75 645 800 77 645 800 68	24 V≃ 115 V~ 230 V~	< 25 mA < 35 mA < 35 mA
< 102 dB	645 x90 75 645 x90 60	24 V≃ 115-230 V~	< 30 mA < 45 mA
< 100 dB	645 850 55	24 V=	< 80 mA
80-100 dB	645 810 55	24 V=	< 150 mA
< 88 dB	645 840 55	24 V=	< 400 mA
< 102 dB	645 860 55	24 V=	< 400 mA
< 105 dB	645 830 55	24 V=	< 100 mA

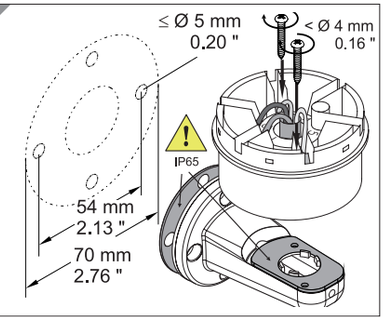
1

1a: 640 x00 00, 640 820 00
1b: 640 x00 00, 640 820 00 + 975 840 85, 960 000 52, 975 840 86
1c: 640 x10 00, 640 812 01, 640 830 00 + 975 840 10, 960 000 51, 975 840 90, 960 000 50, 975 840 91, ...
1d: 640 x00 00, 640 820 00 + 960 000 02, 960 000 53, 960 000 01, 960 000 54
1e: 940 000 41

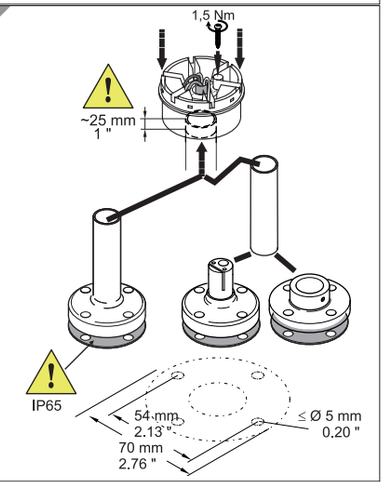
1a



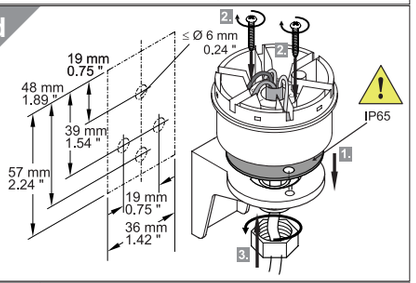
1b



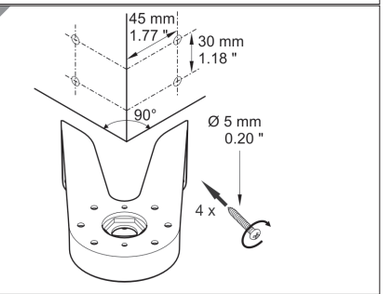
1c



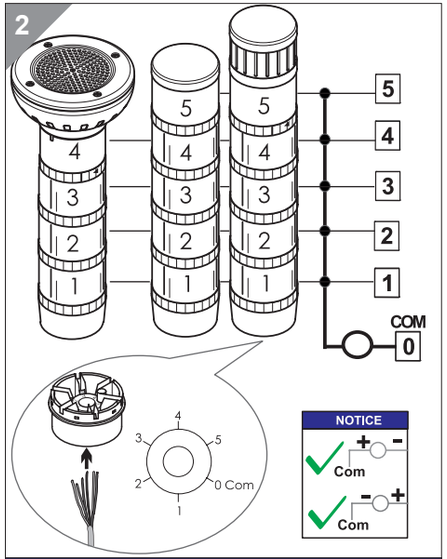
1d



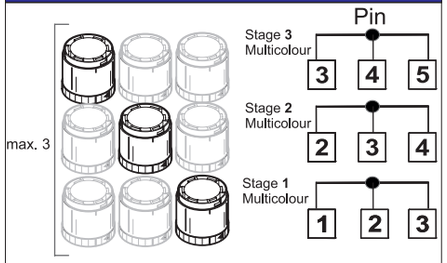
1e



2

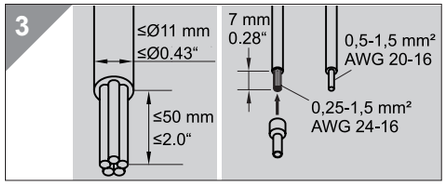


NOTICE
Multicolour 644 450 55



Colour (**RD**)	**24V**		
Colour (**GN**)		**24V**	
Colour (**YE**)	**24V**	**24V**	
Colour (**BU**)			**24V**
Colour (**WH**)	**24V**	**24V**	**24V**
Colour (**TQ**)		**24V**	**24V**
Colour (**VT**)	**24V**		**24V**

3



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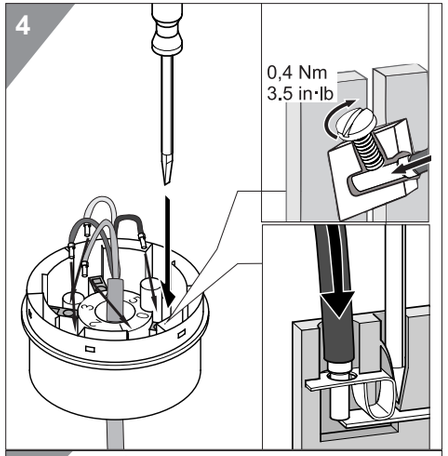
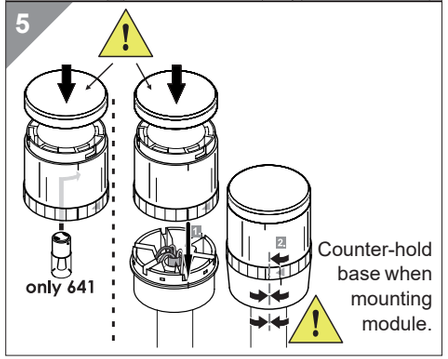


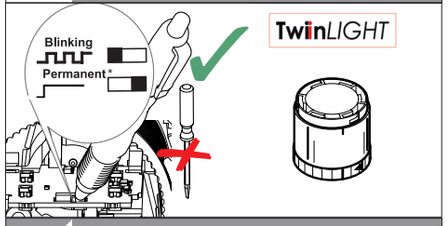
5



6a

647 x10 75
647 x30 75

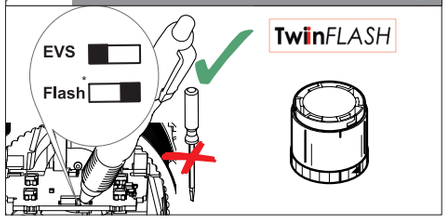
* = Default setting



6b

647 x20 55
647 x40 55

* = Default setting



7

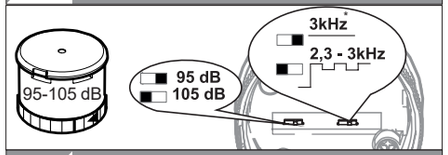
WARNING

NOTICE
dB = dB A (SPL) 1m

7a

645 x70 xx
645 102 75

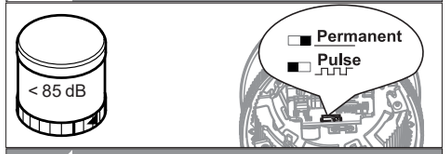
* = Default setting



7b

645 800 xx

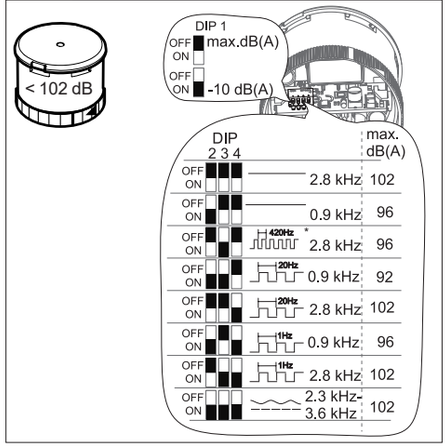
* = Default setting



7c

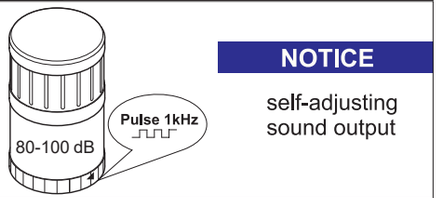
645 x90 xx

* = Default setting



7d

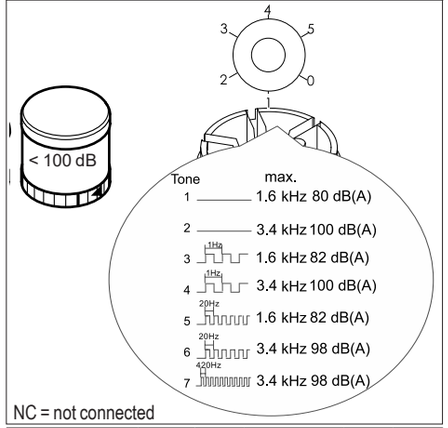
645 810 55



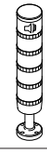
NOTICE
self-adjusting sound output

7e

645 850 55



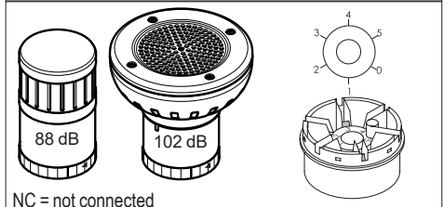
NC = not connected

	Tone	Pin terminal element 1	2	3	4	5
	1	+24V	+24V	NC		
	2	+24V	+24V	+24V		
	3	+24V	NC	NC		
	4	+24V	NC	+24V		
	5	NC	+24V	NC		
	6	NC	+24V	+24V		
	7	NC	NC	+24V		
	1		+24V	+24V	NC	
	2		+24V	+24V	+24V	
	3		+24V	NC	NC	
	4		+24V	NC	+24V	
	5		NC	+24V	NC	
	6		NC	+24V	+24V	
	7		NC	NC	+24V	
	1			+24V	+24V	NC
	2			+24V	+24V	+24V
	3			+24V	NC	NC
	4			+24V	NC	+24V
	5			NC	+24V	NC
	6			NC	+24V	+24V
	7			NC	NC	+24V
	1				+24V	+24V
	3				+24V	NC
	5				NC	+24V
	3					+24V

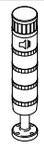
7f

645 840 55
645 860 55

See manual of the vocal element.



NC = not connected

	Tone	Pin terminal element 1	2	3	4	5
	1	+24V	NC	NC	NC	
	2		NC	+24V	NC	NC
	3		+24V	+24V	NC	NC
	4		NC	NC	+24V	NC
	5		+24V	NC	+24V	NC
	6		NC	+24V	+24V	NC
	7		+24V	+24V	+24V	NC
	8		NC	NC	NC	+24V
	9		+24V	NC	NC	+24V
	10		NC	+24V	NC	+24V
	11		+24V	+24V	NC	+24V
	12		NC	NC	+24V	+24V
	13		+24V	NC	+24V	+24V
	14		NC	+24V	+24V	+24V
	15		+24V	+24V	+24V	+24V
	1			+24V	NC	NC
	2			NC	+24V	NC
	3			+24V	+24V	NC
	4			NC	NC	+24V
	5			+24V	NC	+24V
	6			NC	+24V	+24V
	7			+24V	+24V	+24V
	1				+24V	NC
	2			+24V	NC	+24V
	3				+24V	+24V
	1				+24V	+24V

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