

**IO-Link**



657 0x0 55  
657 1x0 55

657 5x0 55  
657 6x0 55



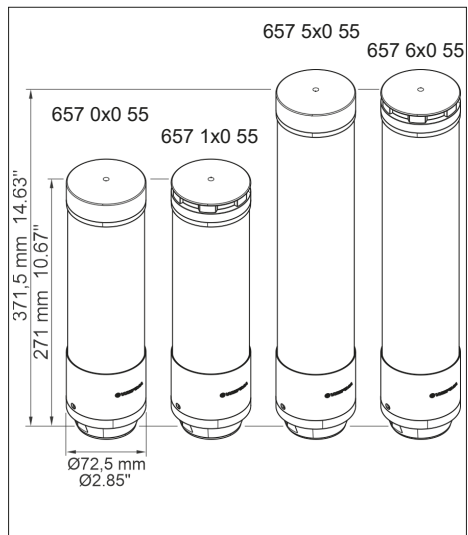
657 1x0 55  
657 6x0 55



**DE** HINWEIS: Benutzung bei >50 °C kann zu einer signifikanten Reduzierung der Helligkeit und der Lebensdauer führen.

**GB** NOTE: Usage at >50 °C can result in significant loss of light intensity and life duration.

**FR** REMARQUE : Une utilisation à >50 °C peut réduire considérablement la brillance et la durée de vie.



© DE



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www.werma.com



**DE** Anschluss **ausschließlich** durch ausgebildete Elektro-Fachkräfte.

**GB** 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.

**CZ** Připojení smí **provádět** pouze kvalifikovaný personál.

**PL** Podłączenie **wyłącznie** przez specjalistów-elektryków.

**FI** Liittäminen kuuluu **ainoastaan** koulutettujen sähköalan ammattilaisten tehtävin.

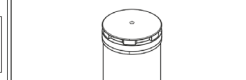
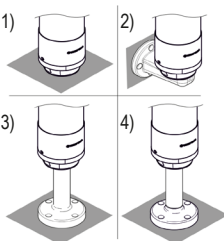
**RU** Подключение проводится только специалистами-электриком.

**TR** Bağlantı **sadece** eğitimli elektrik teknisyenleri tarafından yapılmalıdır.

**CN** 布线需由专业电工执行。



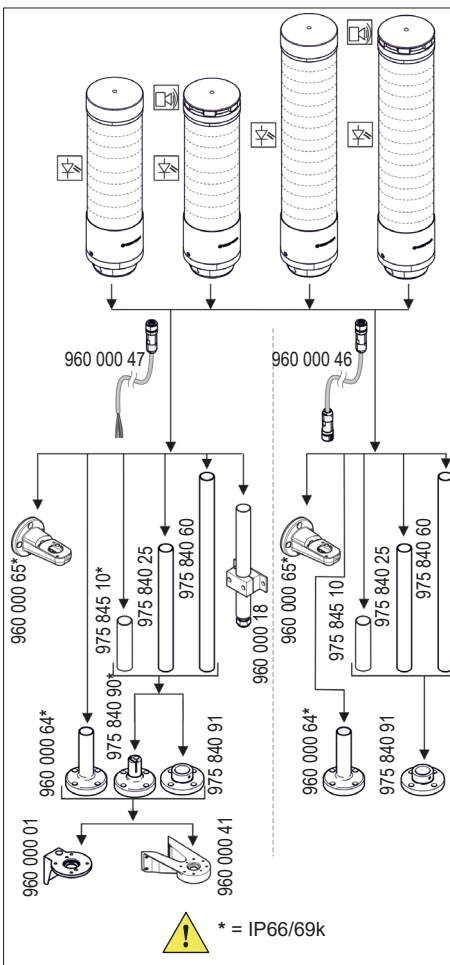
1) - 3): Type 12/13/4X



**DE** Die Quelle für begrenzte Spannung/Stromstärke muss die folgenden Anforderungen erfüllen: Eine geeignete isolierende Stromversorgung in Verbindung mit einer Sicherung gemäß UL248, (JDYX2/8). Die Sicherung muss auf einen Nennwert von max. T2,5 A ausgelegt sein und in der 24-V-Gleichstromversorgung des Geräts installiert werden, um den verfügbaren Strom zu begrenzen.

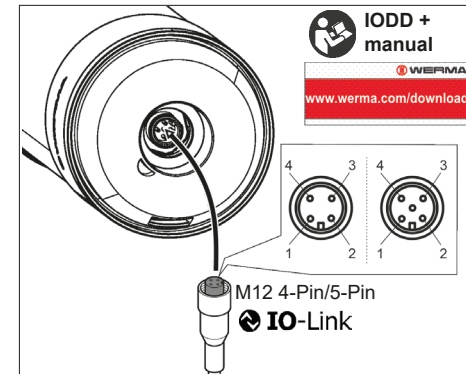
**GB** The Limited Voltage / Current source must comply with following:  
A suitable isolating source in conjunction with a fuse in accordance with UL248, (JDYX2/8). The fuse shall be rated max. T2.5 A and be installed in the 24 Vdc power supply to the device in order to limit the available current.

**FR** La source de tension/courant limitée doit être conforme à ce qui suit :  
Une alimentation isolée adaptée, associée à un fusible conforme à la norme UL248, (JDYX2/8). Le fusible doit avoir une valeur nominale de 2,5 A maximum et être installé dans l'alimentation 24 V DC de l'appareil afin de limiter le courant disponible.



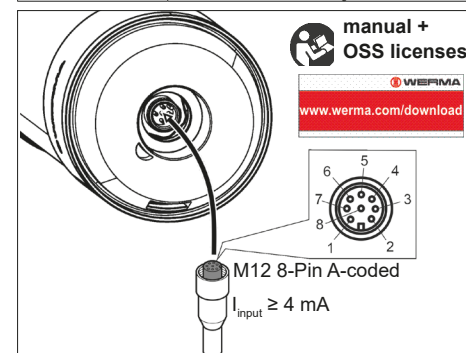
\* = IP66/69k

	eSIGN <b>IO-Link</b>
657 010 55	24 V=, I=335 mA, I <sub>0</sub> =800 mA
657 110 55	24 V=, I=405 mA, I <sub>0</sub> =800 mA
657 510 55	24 V=, I=555 mA, I <sub>0</sub> =800 mA
657 610 55	24 V=, I=620 mA, I <sub>0</sub> =800 mA





M12 pin	eSIGN <b>IO-Link</b>
1	L+
2	+24 V (optional)
3	L-
4	C/Q

	eSIGN 24 V
657 000 55	24 V=, I=335 mA, I <sub>0</sub> =800 mA
657 100 55	24 V=, I=405 mA, I <sub>0</sub> =800 mA
657 500 55	24 V=, I=555 mA, I <sub>0</sub> =800 mA
657 600 55	24 V=, I=620 mA, I <sub>0</sub> =800 mA



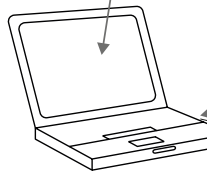
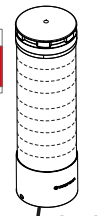
Pin	Wire color	Function
1	WH	Input 1
2	BN	Input 2
3	GN	Input 3
4	YE	Input 4


Pin	Wire color	Function
5	GY	Input 5
6	PK	Input 6
7	BU	COM
8	RD	+24 V

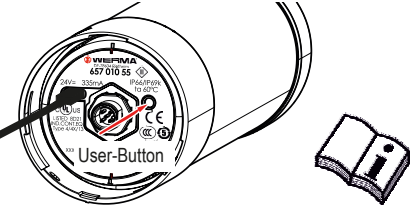
 

**+ Configuration Software**

**Download** [www.werma.com/software](http://www.werma.com/software)


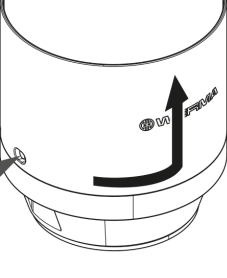
**2.**  

**1.** 960 000 69  **min. 500 mA** **USB-C**

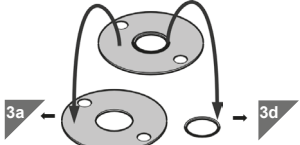



**1**

Nur falls verriegelt!  
Only if locked!  
Seulement si verrouillé!

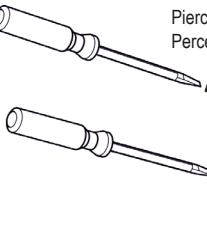
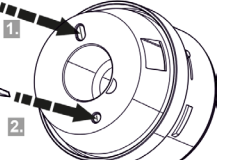
 

**2a**



**2b**  **nur only**  
**seulement**

Sollbruchstellen durchstechen!  
Pierce knockouts!  
Percez les points de rupture!

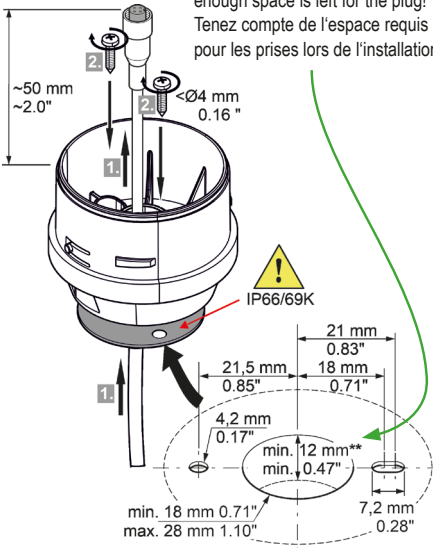
 

**3**

3a: 657 xx0 55  
3b: 657 xx0 55 + 960 000 65  
3c: 657 xx0 55 + 960 000 01  
3d: 657 xx0 55 + 960 000 64  
+ 975 840 90 + 975 845 10, ...  
+ 975 840 91 + 975 845 10, ...  
3e: 657 xx0 55 + 960 000 41

**3a**

\*\* Platzbedarf für Stecker bei der Installation berücksichtigen!  
When installing the product: Ensure enough space is left for the plug!  
Tenez compte de l'espace requis pour les prises lors de l'installation!



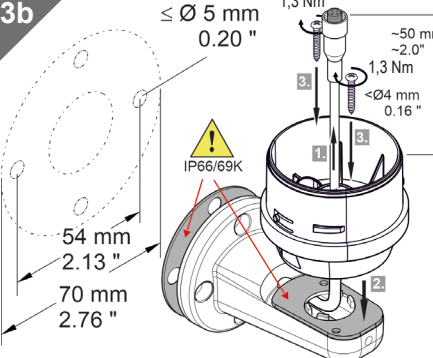
~50 mm ~2.0"  $\leq \varnothing 4$  mm 0.16"

IP66/69K

21 mm 0.83"  $\leq \varnothing 5$  mm 0.20"

21.5 mm 0.85" 18 mm 0.71" 4.2 mm 0.17" min. 12 mm\*\* min. 0.47" 7.2 mm 0.28" min. 18 mm 0.71" max. 28 mm 1.10"

**3b**

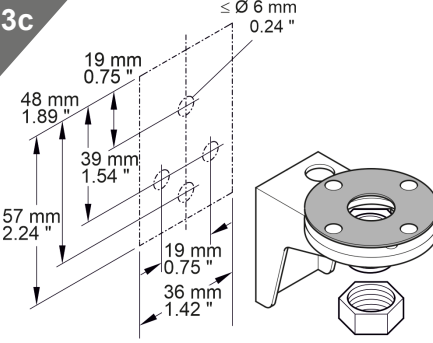


$\leq \varnothing 5$  mm 0.20" 1.3 Nm ~50 mm ~2.0" 1.3 Nm  $\leq \varnothing 4$  mm 0.16"

IP66/69K

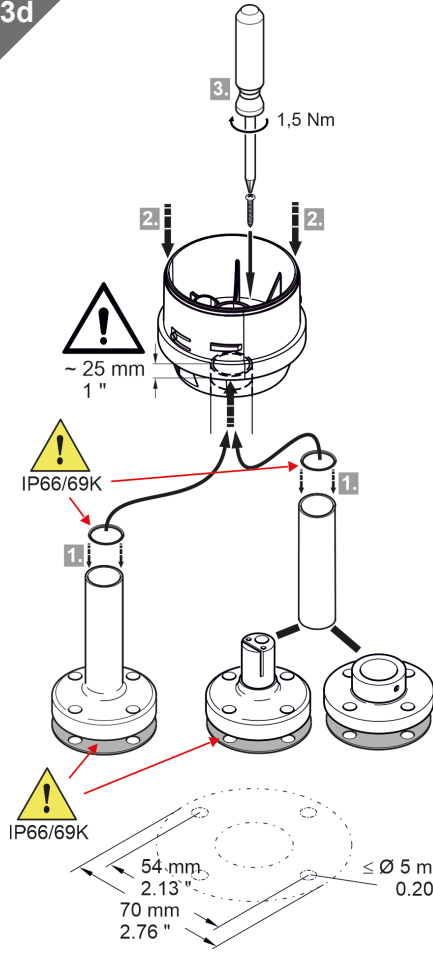
54 mm 2.13" 70 mm 2.76"

**3c**



$\leq \varnothing 6$  mm 0.24" 19 mm 0.75" 48 mm 1.89" 39 mm 1.54" 57 mm 2.24" 19 mm 0.75" 36 mm 1.42"

**3d**



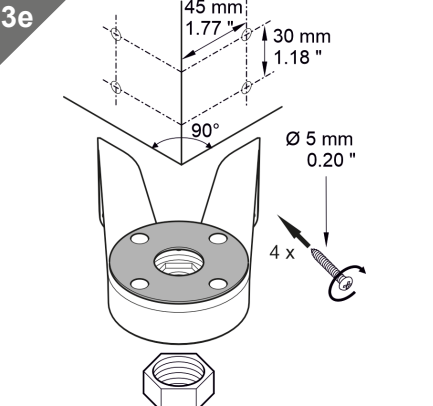
1.5 Nm  $\sim 25$  mm 1" IP66/69K


IP66/69K

IP66/69K

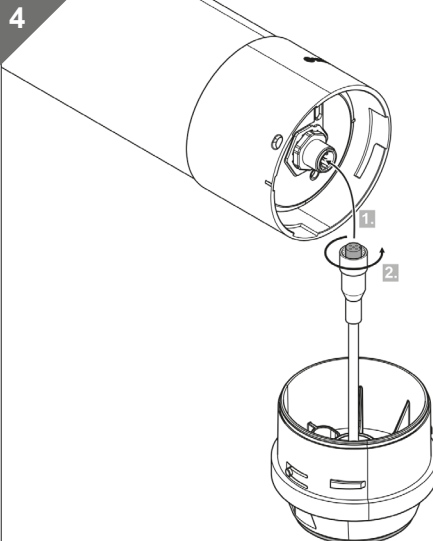
54 mm 2.13" 70 mm 2.76"  $\leq \varnothing 5$  mm 0.20"

**3e**

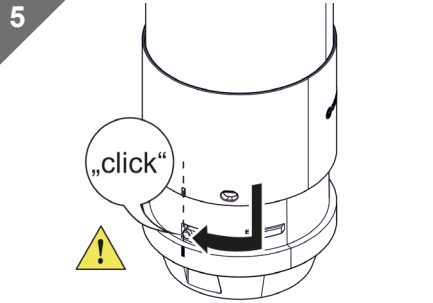



45 mm 1.77" 30 mm 1.18" 90°  $\varnothing 5$  mm 0.20" 4 x 

**4**



**5**



"click" 

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