

**(en) Electric current! Danger to life!**  
Only skilled or instructed persons may carry out the following operations.

**(de) Lebensgefahr durch elektrischen Strom!**

Nur Elektrofachkräfte und elektrotechnisch unterwiesene Personen dürfen die im Folgenden beschriebenen Arbeiten ausführen.

**(fr) Tension électrique dangereuse !**

Seules les personnes qualifiées et averties doivent exécuter les travaux ci-après.

**(es) ¡Corriente eléctrica! ¡Peligro de muerte!**

El trabajo a continuación descrito debe ser realizado por personas cualificadas y advertidas.

**(it) Tensione elettrica: Pericolo di morte!**

Solo persone abilitate e qualificate possono eseguire le operazioni di seguito riportate.

**(zh) 触电危险!**

只允许专业人员和受过专业训练的人员进行下列工作。

**(ru) Электрический ток! Опасно для жизни!**

Только специалисты или проинструктированные лица могут выполнять следующие операции.

**(nl) Levensgevaar door elektrische stroom!**

Uitsluitend deskundigen in elektriciteit en elektrotechnisch geïnstrueerde personen is het toegestaan, de navolgend beschreven werkzaamheden uit te voeren.

**(da) Livsfare på grund af elektrisk strøm!**

Kun uddannede el-installatører og personer der er instruerede i elektrotekniske arbejdsopgaver, må udføre de nedenfor anførte arbejder.

**(el) Προσοχή, κίνδυνος ηλεκτροπληξίας!**

Οι εργασίες που αναφέρονται στη συνέχεια θα πρέπει να εκτελούνται μόνο από ηλεκτρολόγους και ηλεκτροτεχνίτες.

**(pt) Perigo de vida devido a corrente eléctrica!**

Apenas electricistas e pessoas com formação electotécnica podem executar os trabalhos que a seguir se descrevem.

**(sv) Livsfara genom elektrisk ström!**

Endast utbildade elektriker och personer som undervisats i elektroteknik får utföra de arbeten som beskrivs nedan.

**(fi) Hengenvaarallinen jännite!**

Vain pätevät sähköasentajat ja opastusta saaneet henkilöt saavat suorittaa seuraavat työt.

**(cs) Nebezpečí úrazu elektrickým proudem!**

Níže uvedené práce směřjí provádět pouze osoby s elektrotechnickým vzděláním.

**(et) Eluhtlik! Elektrilöögiht!**

Järgnevalt kirjeldatud töid tohib teostada ainult elektriala spetsialist või elektrotehnilise instrueerimise läbinud personal.

**(hu) Életveszély az elektromos áram révén!**

Csak elektromos szakemberek és elektrotechnikában képzett személyek végezhetik el a következőkben leírt munkákat.

**(lv) Elektriskā strāva apdraud dzīvību!**

Tālāk aprakstītos darbus drīkst veikt tikai elektrospeciālisti un darbam ar elektrotehnikām iekārtām instruētās personas!

**(lt) Pavojus gyvybei dėl elektros srovės!**

Tik elektrikai ir elektrotechnikos specialistai gali atlikti žemiau aprašytus darbus.

**(pl) Porażenie prądem elektrycznym stanowi zagrożenie dla życia!**

Opisane poniżej prace mogą przeprowadzać tylko wykwalifikowani elektrycy oraz osoby odpowiedzialnie poinstruowane w zakresie elektrotechniki.

**(sl) Življenjska nevarnost zaradi električnega toka!**

Spodaj opisana dela smejo izvajati samo elektrostrokovnjaki in elektrotehnično poučene osebe.

**(sk) Nebezpečenstvo ohrozenia života elektrickým prúdom!**

Práce, ktoré sú nižšie opísané, smú vykonávať iba elektroodborníci a osoby s elektrotechnickým vzdelaním.

**(bg) Опасност за живота от електрически ток!**

Операциите, описани в следващите раздели, могат да се извършват само от специалисти-електротехници и инструктиран електротехнически персонал.

**(ro) Atenție! Pericol electric!**

Toate lucrările descrise trebuie efectuate numai de personal de specialitate calificat și de persoane cu cunoștințe profunde în electrotehnică.

**(hr) Opasnost po život uslijed električne struje!**

Radove opisane u nastavku smiju obavljati samo stručni električari i osobe koje su prošle elektrotehničku obuku.

**(tr) Elektrik akımı! Hayati tehlike!**

Aşağıdaki işlemleri yalnızca kalifiye veya eğitimli kişiler gerçekleştirebilir.

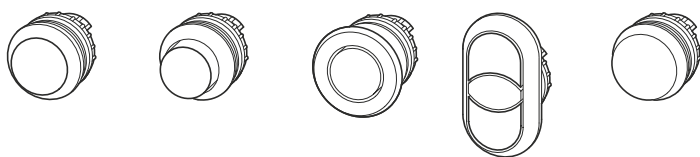
**(uk) Електричний струм! Небезпечно для життя!**

Виконувати означені далі операції дозволяється тільки кваліфікованим особам, що пройшли інструктаж.

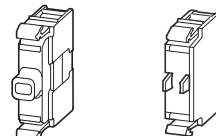
**(ar) تحذير! تيار كهربائي! خطر موت! لا تتم أعمال الصيانة و التركيب إلا من قبل العاملين المدربين!**

## RMQ-Titan®

### M22-..., M22S-..., M22M-... (M22...-...)

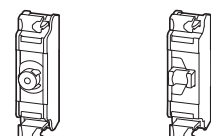


M22-(C)LED(C)...  
M22-(C)K(C)...



Z2  
0.4 x 2.5  
0.6 x 3.5  
0.8 x 5.5

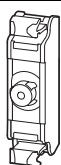
M22-FLED...  
M22-FK...



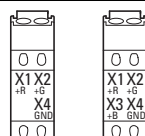
PH(PZ) 0  
PH(PZ) 1  
PH(PZ) 2  
0.4 x 2.5  
0.4 x 3.0

#### Available colors

##### M22-FLED-RG(B)



24 V DC

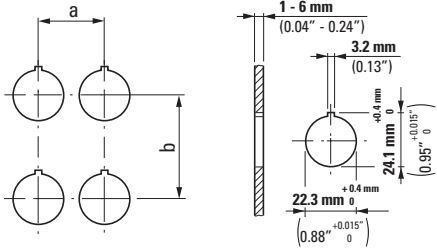


X1 +R X2 +G X3 +B X4 GND

→ DIN IEC 304, DIN IEC 60 757

M22-FLED-RG(B)	①	✓			✓
M22-FLED-RG(B)	②		✓		✓
M22-FLED-RG(B)	③	✓	✓		✓
M22-FLED-RGB	④	✓	✓	✓	✓
M22-FLED-RGB	⑤			✓	✓
M22-FLED-RGB	⑥	✓		✓	✓
M22-FLED-RGB	⑦		✓	✓	✓

①	RD	2
②	GN	5
③	YE	4
④	WH	9
⑤	BU	6
⑥	VT	7
⑦	TQ	55

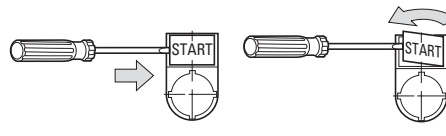


	a ≥ [mm]	b ≥ [mm]	a ≥ [in]	b ≥ [in]
M22-(S)-...	30	50	1.18	1.97
(IEC/EN 60947)	30	40	1.18	1.57
M22...-D...+	33	40	1.29	1.57
M22-T-D				
M22...-D(R)(P)...	38	40	1.49	1.57
M22-PV(L) + M22-PL-PV	48	56	1.89	2.20
M22-PV(L)(S...)+ M22...-D...	33	40	1.29	1.57
M22...-DD...	30	55	1.18	55
M22...-DD... + M22-T-DD	33	58	1.29	58
M22-ST...	30	50	1.18	1.97
M22-STDD...	30	75	1.18	75
M22-CK...	30	45	1.18	45
M22-CLED...	30	45	1.18	45
M22-XAK...	90	90	3.54	3.54
M22-XZK	33	52	1.29	2.05
M22-XBK...	60	60	2.36	2.36
M22-XYK...	50	50	1.97	1.97
M22-CK11, 02, 20	30	50	1.18	1.97

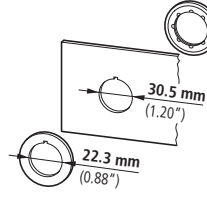
**M22...-D(R)(L)-...**



**M22S-ST-...**

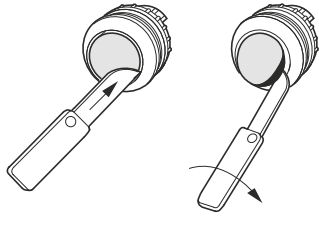


**M22S-R30**

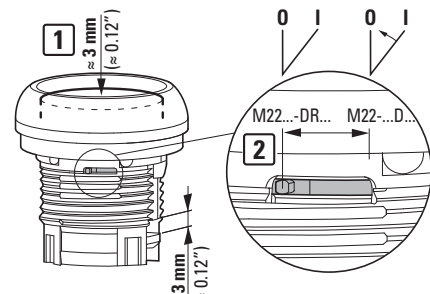


**M22...-D(R, H, P)-...**

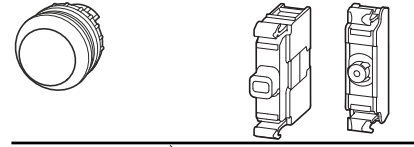
**M22...-D(R)(L)(H)-...**



**M22...-DR...**



**M22-LED... M22-FLED...**

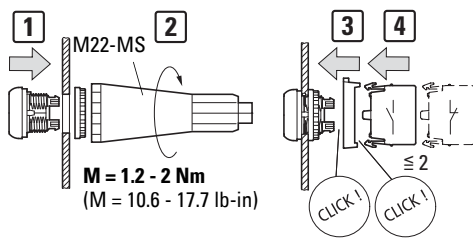
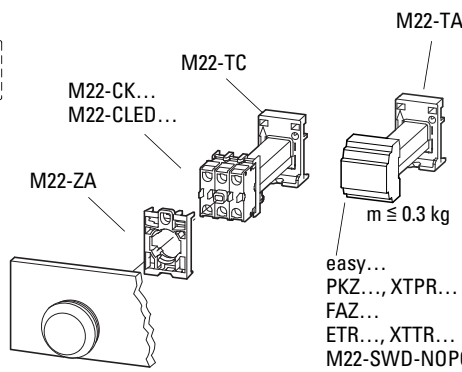


M22-L(H)-...			
M22...-D(R)(L)(H)-...	-R	-R	-R
M22...-W(R)(L)(K)-...	-G	-G	-G
	-W	-W	-W
	-Y	-W	-W
	-B	-W, -B	-W, -B
	-W	-RG(B)	-RG(B)

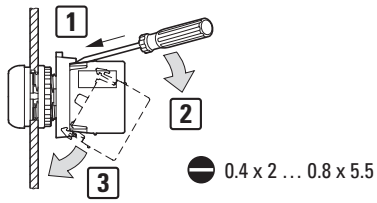
**Environmental Ratings for M22...-...Operators**

Operator Part Numbers	UL/NEMA	IEC
M22...-...	4 X, 13	IP66
M22-ST...		(IP67)
M22-XAK...		
M22-XZK...		
M22-XKB1		
M22-XYK1		
M22...-DD...	3 R, 12	IP66
M22-AMC		IP40

**M22-TC  
M22-TA**



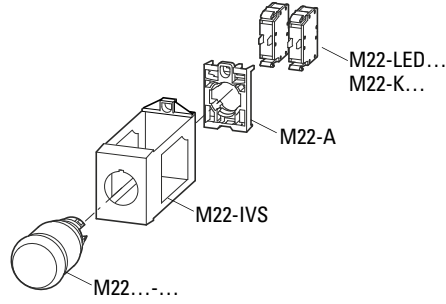
**M22-K...  
M22-LED..., f ~ = 50 - 60 Hz**



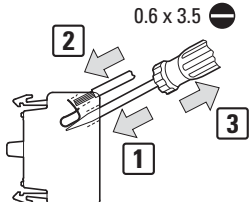
8 mm (0.31")	M ≤ 0.8 Nm M ≤ 7.1 lb-in		
		2 x 0.75 - 2.5 mm <sup>2</sup>	AWG18 - AWG14
		2 x 0.75 - 2.5 mm <sup>2</sup>	AWG18 - AWG14
		2 x 0.5 - 1.5 mm <sup>2</sup>	AWG20 - AWG16

→ 60/75 °C Cu wire only

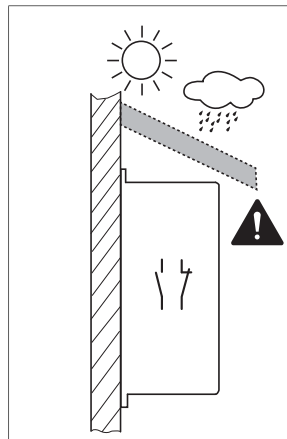
**M22-IVS**



**M22-CK10, 01  
M22-CLED..., f ~ = 50 - 60 Hz**



**M22-CK11, 02, 20 → 5/6**



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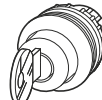
M22...-W(R)...



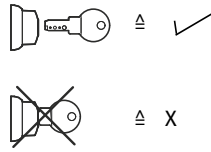
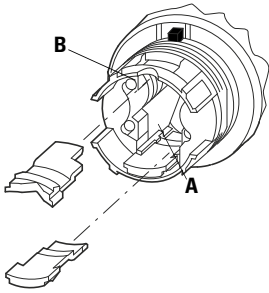
M22...-W(R)K...



M22...-W(R)S...



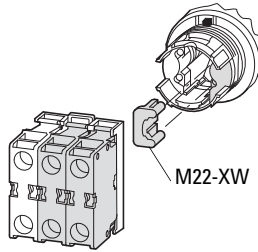
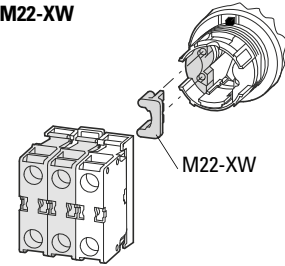
M22-XC...



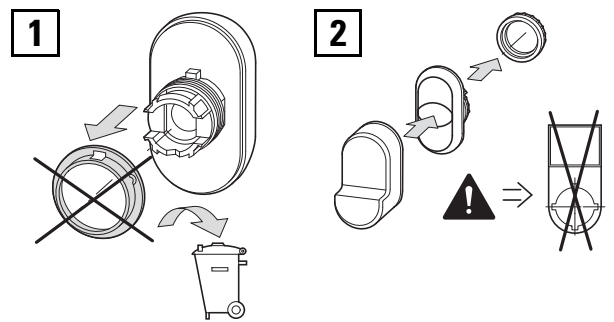
	0	I	0	I
60°	✓	-	✓	✓
50°	✓	✓	X	X
40°	✓	✓	X	X

	I	0	II	A	0	II	B
60°	✓	-	✓	✓	✓	-	✓
50°	✓	X	✓	X	✓	X	X
60°	✓	-	✓	✓	✓	-	✓
50°	✓	X	✓	X	✓	X	X
40°	✓	X	✓	X	✓	X	X
60°	✓	-	✓	✓	✓	-	✓
50°	✓	X	✓	X	✓	X	X
40°	✓	X	✓	X	✓	X	X
40°	✓	X	✓	X	✓	X	X

M22...-W...3-...  
M22-XW

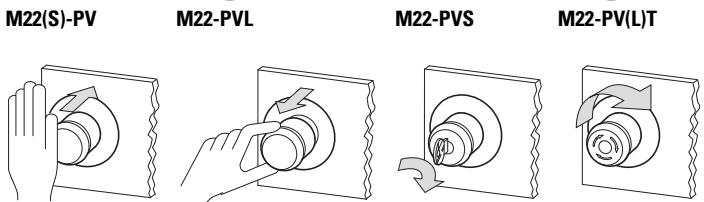
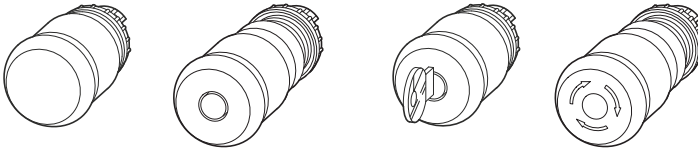


M22...-DD(L)-... + M22-T-DD

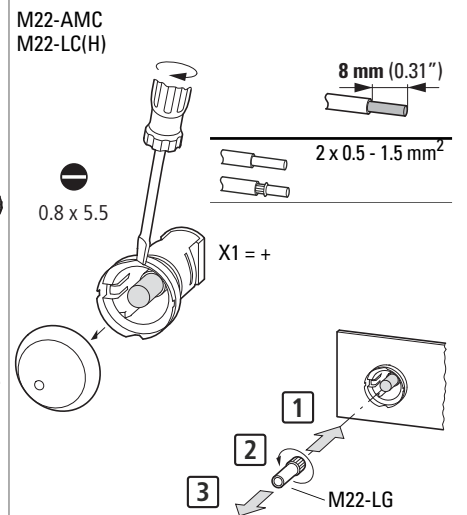
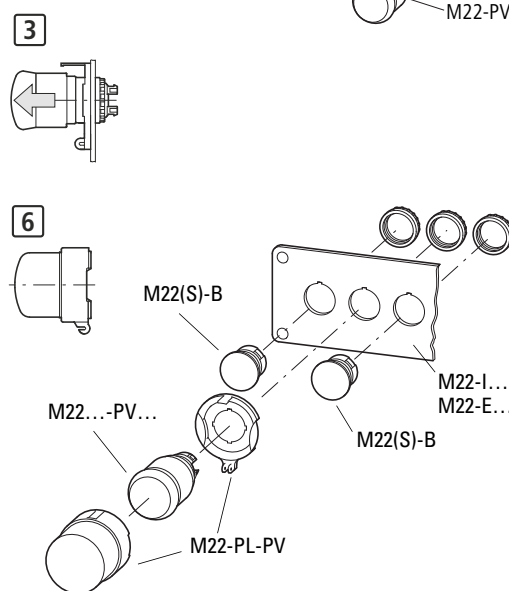
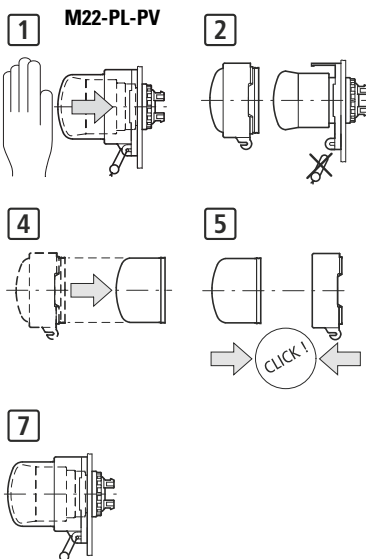
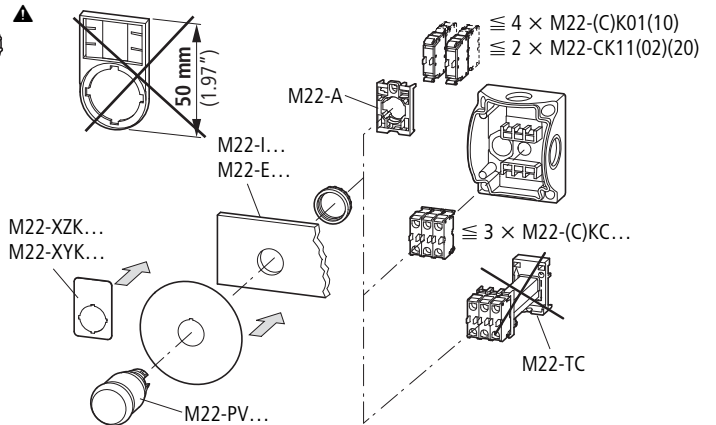


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M22...-PV...



M22S-ST-X



M22...-WR4



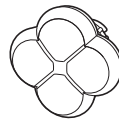
M22...-W(R)J(S)(2V)(2H)(4)(-2P)-(...BVP)



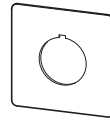
M22...-WR(K)4



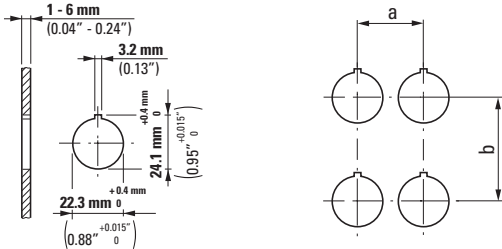
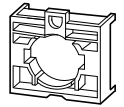
M22...-D4...



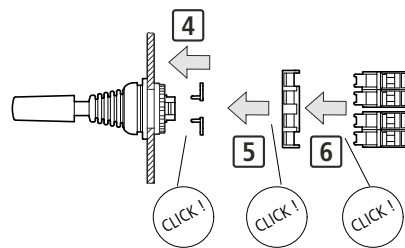
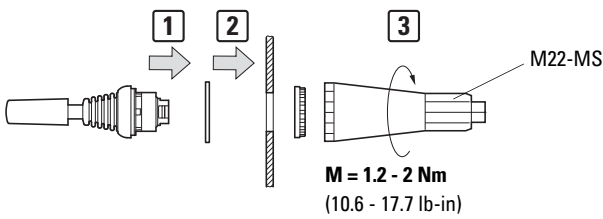
M22-XCK



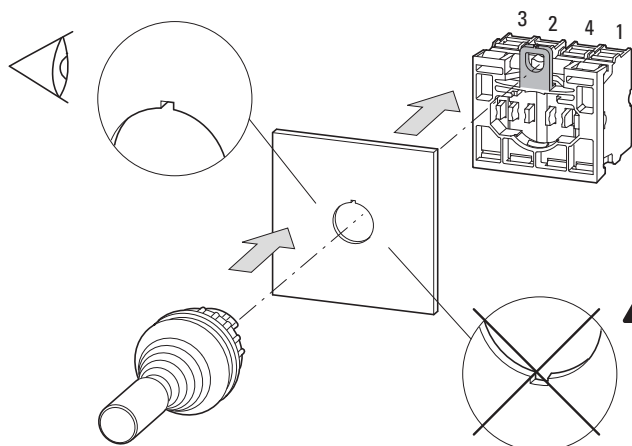
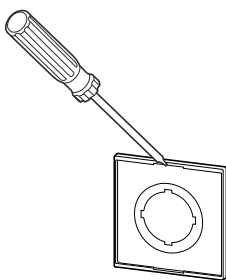
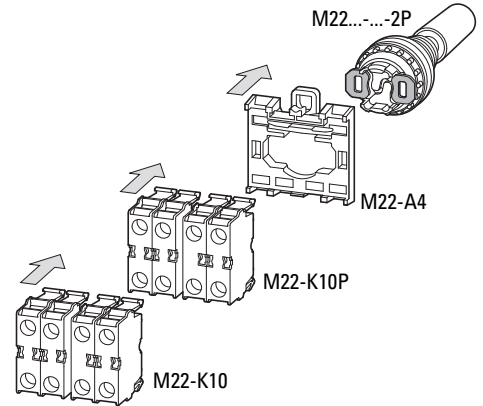
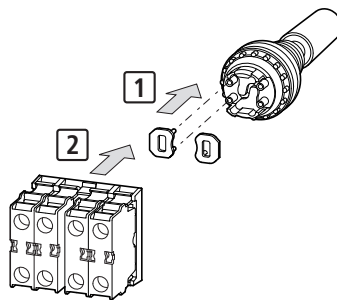
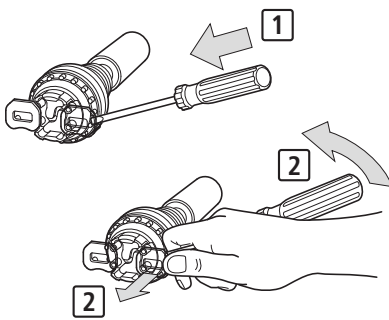
M22-A4



	a ≧ [mm]	b ≧ [mm]	a ≧ [in]	b ≧ [in]
M22...-WR4	45	50	1.77	1.97
M22...-W(R)J4				
M22...-W(R)K4				
M22...-D4-...	55	55	2.17	2.17
M22-XCK...	50	50	1.97	1.97



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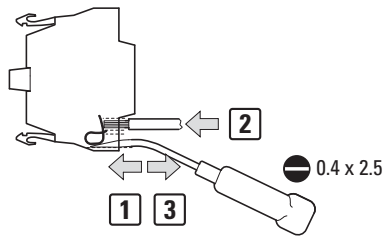
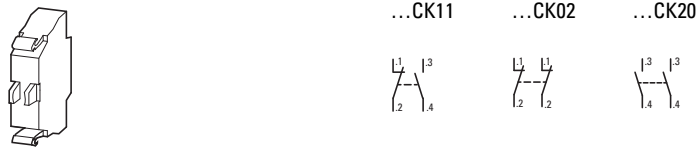
M22...-WR4  
M22...-WR(K)4



M22...-W(R)J(S)(2V)(2H)(4)(-2P)-(...BVP)  
M22...-D4...

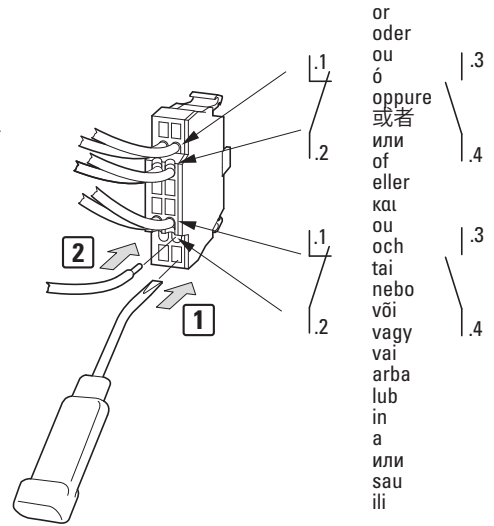


# M22-CK11, 02, 20

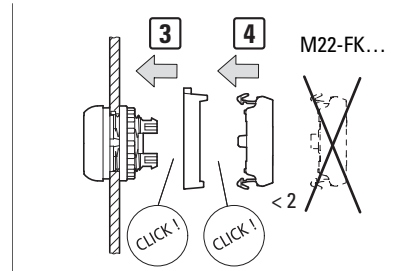
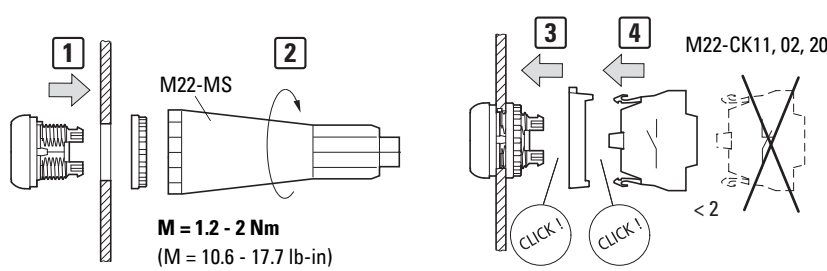


8 mm (0.31")		2 x 0.5 - 1.5 mm <sup>2</sup>	AWG20 - AWG16
		2 x 0.5 - 1.5 mm <sup>2</sup>	AWG20 - AWG16
		2 x 0.5 - 1 mm <sup>2</sup>	AWG20 - AWG18

→ 60/75 °C Cu wire only

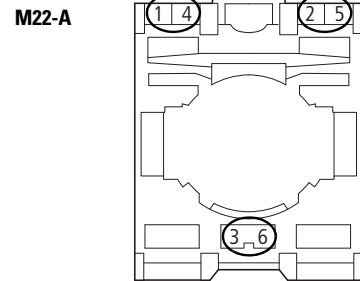
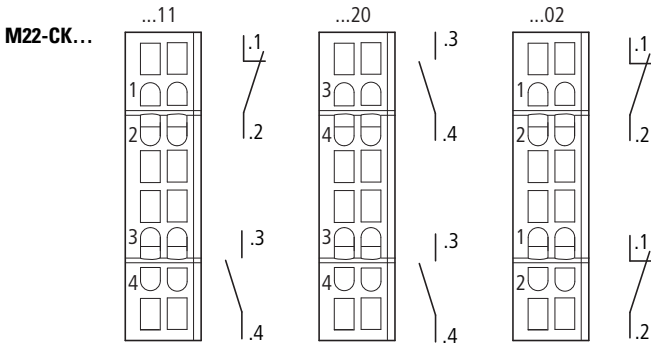


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ili

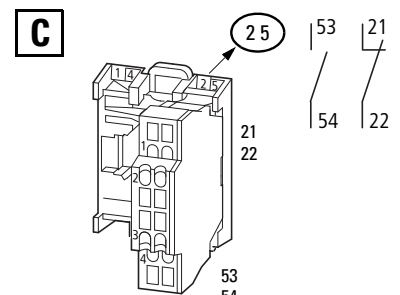
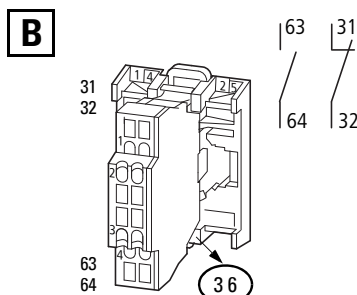
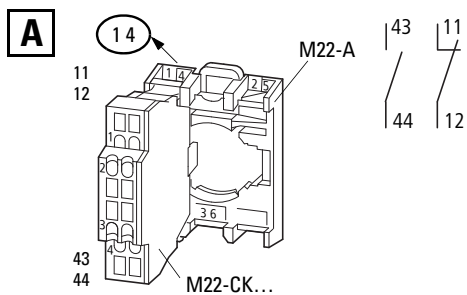


M22-CK11, 02, 20 → ~~M22-ABC(4)~~

## Reference numbers



## Example

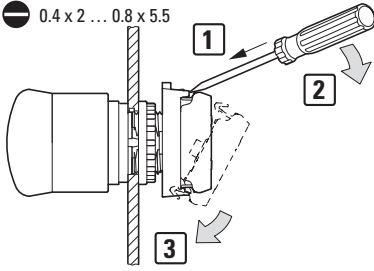


M22-A → 1 } 11, 12  
M22-CK → 1, 2

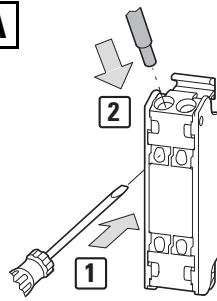
M22-A → 4 } 43, 44  
M22-CK → 3, 4

M22-FK...  
M22-FLED...

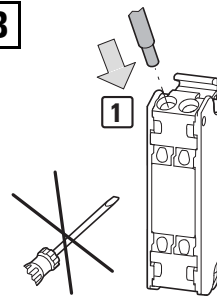
0.4 x 2 ... 0.8 x 5.5



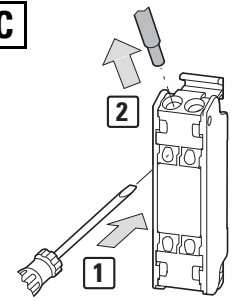
**A**



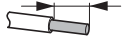
**B**



**C**



8 mm (0.31")



	0.25 - 0.34 mm <sup>2</sup>	AWG24 - AWG22	<b>A</b>	<b>C</b>	
	0.5 - 1.5 mm <sup>2</sup>	AWG21 - AWG16	<b>B</b>	<b>C</b>	
	0.2 - 1.5 mm <sup>2</sup>	AWG24 - AWG16	<b>A</b>	<b>C</b>	
DIN 46228 T1/T4	0.25 - 0.75 mm <sup>2</sup>	AWG24 - AWG19	<b>A</b>	<b>C</b>	
	1.0 mm <sup>2</sup>	AWG18	<b>B</b>	<b>C</b>	

→ 60/75 °C Cu wire only

WAGO 206-204 Crimpzange Variocrimp 4

Rennsteig Article no. 6101853

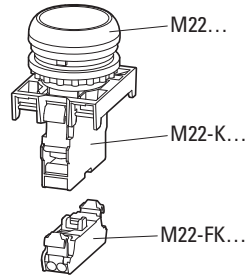
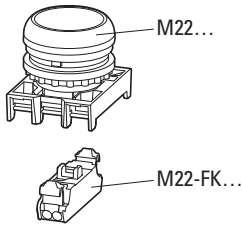
Knipex 975304

Rennsteig Article no. 6101866

Knipex 975314



Do not use pre-assembled cables.



	M22-FK10	M22-FK01
D(R)(L)(H)	✓	✓
D(I)4	✓	✓
DG(L)	✓	✓
D(R)(L) (P)	✓	✓
D(L)VHS	✓	✓
DD(L)(F)(M)	✓	✓
W(R)(L)(K)(3)	✓	✓
W(R)(L)(K)(V)	✓	✓
W(R)(S)(3)	✓	✓
W(R)J(2)(4)(V)(H)	✓	✓
WR(K)4	✓	✓
PV(L)(T)	✓	✓
PV(L)(T)45P	✓	✓
PV(L)(T)60P	✓	✓
PVS(45) (60)(P)	✓	✓

	M22-(C)K01/(C)K10 + M22-FK10	M22-(C)K01/(C)K10 + M22-FK01	M22-(C)K10P + M22-FK10	M22-(C)K10P + M22-FK01
D(H)	✓	✓	✓	✓
DR(H)	-	✓	-	✓
D(I)4	✓	✓	✓	✓
DL(H)	✓	✓	✓	✓
DRL(H)	-	✓	-	✓
D(L)VHS	✓	✓	✓	✓
DG(L)	✓	✓	✓	✓
DD(L)(F)(M)	✓	✓	✓	✓
D(R)P	✓	✓	✓	✓
W(R)(L)(K)(3)	✓	✓	✓	✓
WR(K)4	-	✓	-	✓
W(R)(L)(K)(V)	✓	✓	✓	✓
W(R)(S)(3)	✓	✓	✓	✓
W(R)J(2)(4)(V)(H)	✓	✓	✓	✓
PV(L)(T)	✓	✓	✓	✓
PV(L)(T)45P	✓	✓	✓	✓
PV(L)(T)60P	✓	✓	✓	✓
PVS(45) (60)(P)	✓	✓	✓	✓

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