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(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 elektotechnisch 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 ηλεκροτεχνίτες.

(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 směřj 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 elektrotehniskām 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 odpowiedzialne 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.

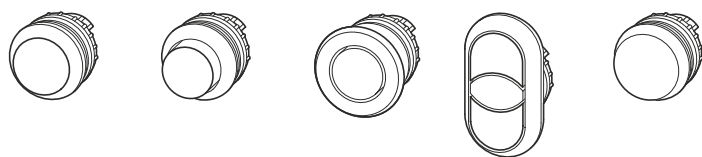
(uk) Електричний струм! Небезпечно для життя!

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

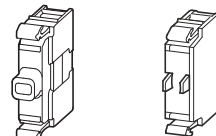
(ar) تحذير! تيار كهربائي! خطر موت! لا تتم أعمال الصيانة والتركيب إلا من قبل العاملين المدربين!

RMQ-Titan®

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

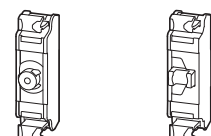


M22-(C)LED(C)...
M22-(C)K(C)...



0.4 x 2.5
0.6 x 3.5
0.8 x 5.5

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

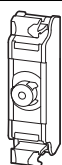


PH(PZ) 0
PH(PZ) 1
PH(PZ) 2

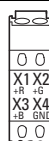
0.4 x 2.5
0.4 x 3.0

Available colors

M22-FLED-RG(B)



24 V DC



X1 +R

X2 +G

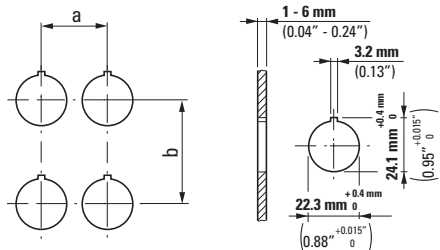
X3 +B

X4 GND

→ DIN IEC 304, DIN IEC 60 757

		X1 +R	X2 +G	X3 +B	X4 GND
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		✓	✓	✓

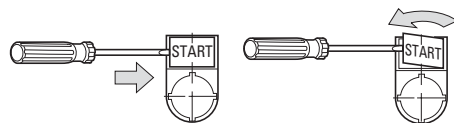
①	RD	2
②	GN	5
③	YE	4
④	WH	9
⑤	BU	6
⑥	VT	7
⑦	TQ	55



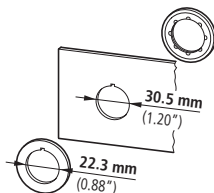
	a ≥ [mm]	b ≥	a ≥ [in]	b ≥
M22-(S)-...	30	50	1.18	1.97
(IEC/EN 60947)	30	40	1.18	1.57
M22...-D...+ M22-T-D	33	40	1.29	1.57
M22...-D(R)(P)...	38	40	1.49	1.57
M22-PV(L) + M22-PL-PV	48	56	1.89	2.20
M22-PV(L)(S...)+ M22...-D...	33	40	1.29	1.57
M22...-DD...	30	55	1.18	55
M22...-DD... + M22-T-DD	33	58	1.29	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



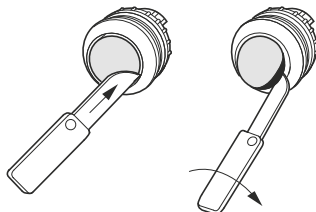
M22S-ST-...



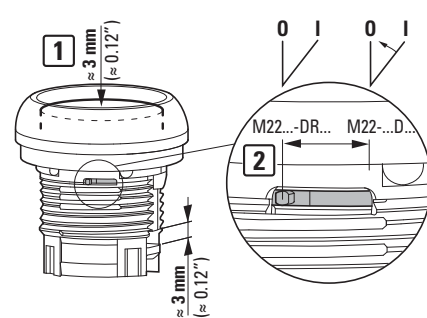
M22S-R30



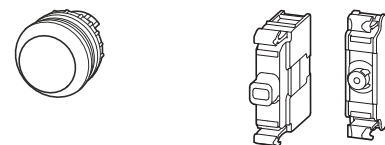
M22...-D(R, H, P)-... M22...-D(R)(L)(H)-...



M22...-DR...



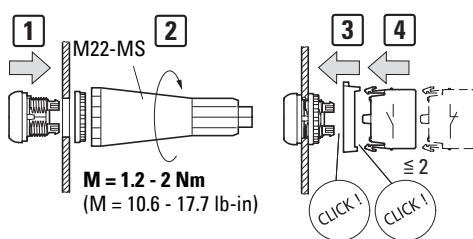
M22-LED... M22-FLED...



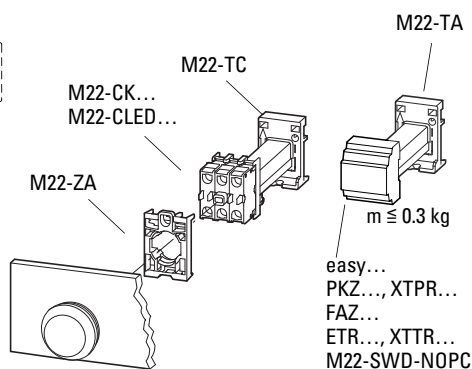
M22-L(H)-...	-R	-R	-R
M22...-D(R)(L)(H)-...	-G	-G	-G
M22...-W(R)(L)(K)-...	-W	-W	-W
	-Y	-W	-W
	-B	-W, -B	-W, -B
	-W	-RG(B)	-RG(B)

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

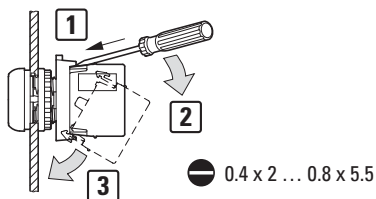
Operator Part Numbers	UL/NEMA	IEC
M22...-...	4 X, 13	IP66
M22-ST...		(IP67)
M22-XAK...		
M22-XZK...		
M22-XKB1		
M22-XYK1		
M22...-DD...	3 R, 12	IP66
M22-AMC		IP40



M22-TC M22-TA



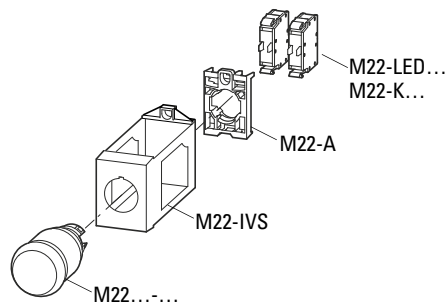
M22-K... M22-LED..., f ~ = 50 - 60 Hz



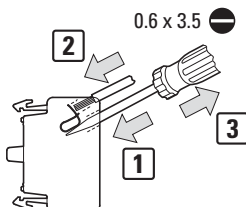
8 mm (0.31")	M ≤ 0.8 Nm M ≤ 7.1 lb-in
2 x 0.75 - 2.5 mm ²	AWG18 - AWG14
2 x 0.75 - 2.5 mm ²	AWG18 - AWG14
2 x 0.5 - 1.5 mm ²	AWG20 - AWG16

→ 60/75 °C Cu wire only

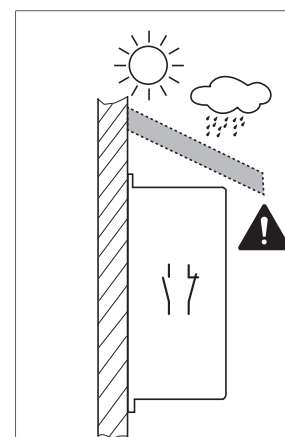
M22-IVS



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



M22-CK11, 02, 20 → 5/6



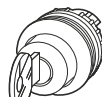
M22...-W(R)...



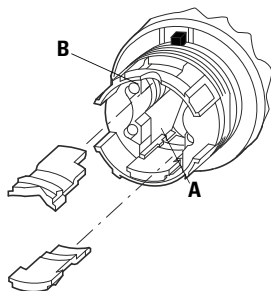
M22...-W(R)K...



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



M22-XC...



M22-XC-Y

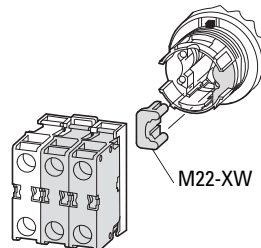
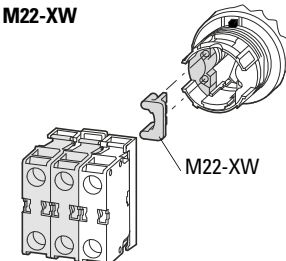
M22-XC-R



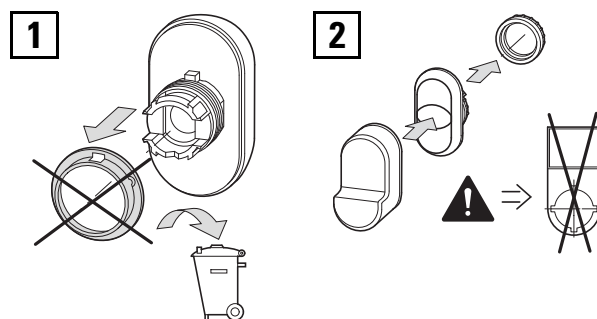
	0	I	B
60°	✓	-	✓
50°	✓	✓	X
40°	✓	✓	X

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

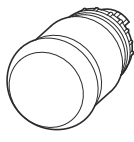
M22...-W...3-... M22-XW



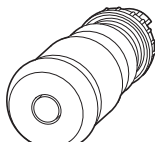
M22...-DD(L)-... + M22-T-DD



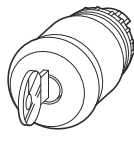
M22...-PV...



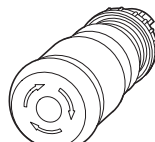
M22(S)-PV



M22-PVL

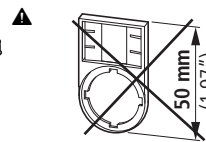


M22-PVS



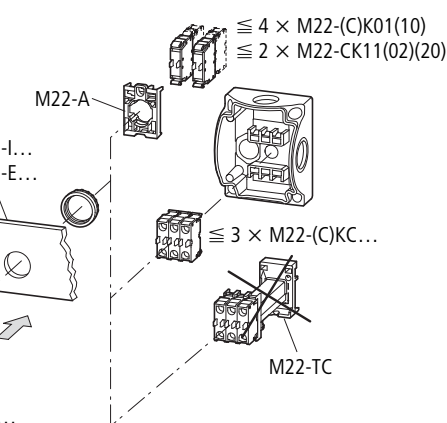
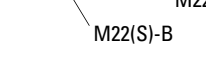
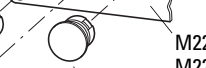
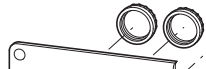
M22-PV(L)T

M22S-ST-X

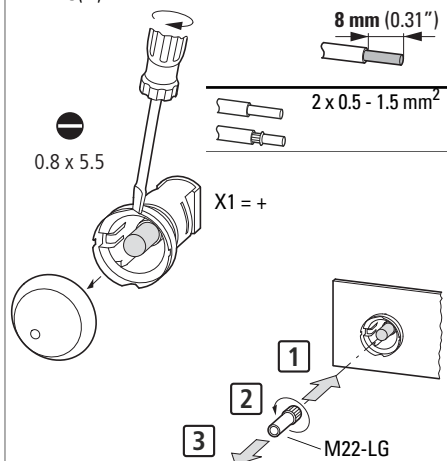


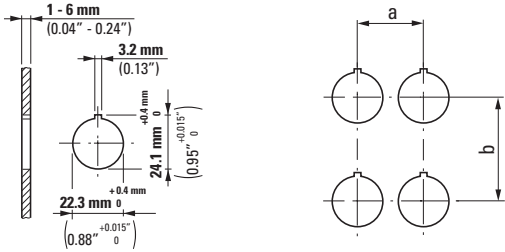
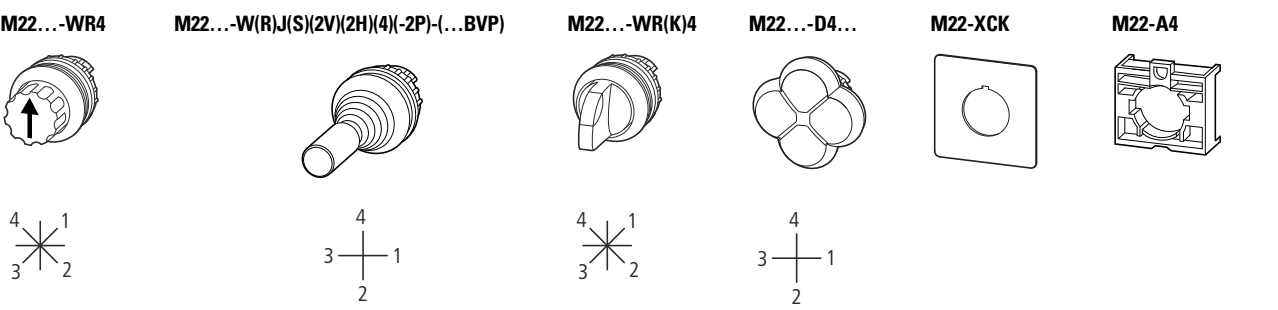
M22S-ST-X

M22-XZK...
M22-XYK...

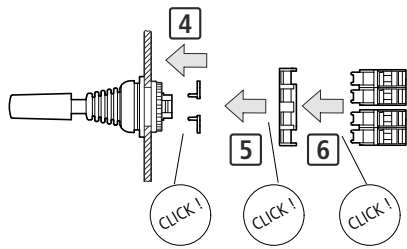
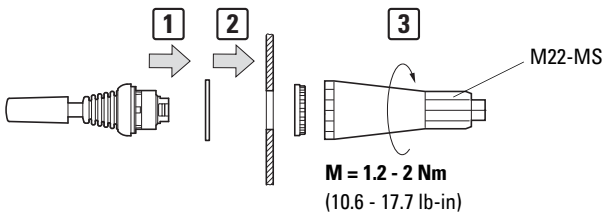


M22-AMC M22-LC(H)

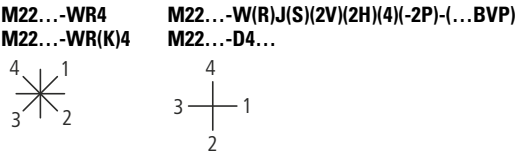
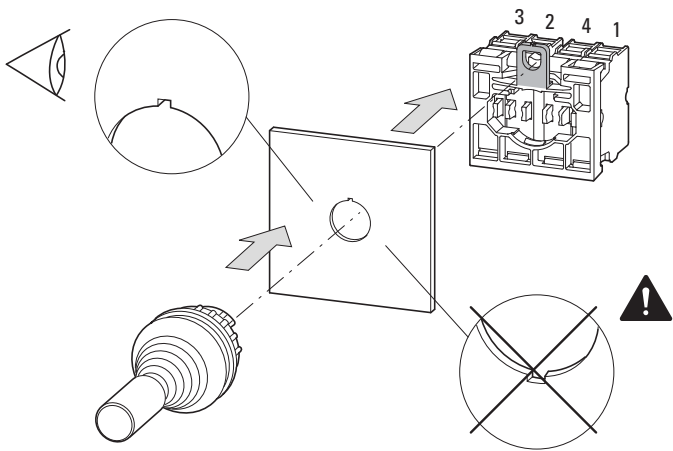
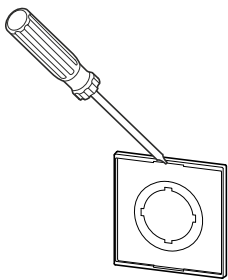
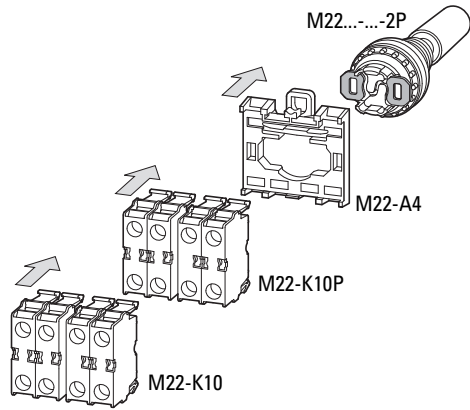
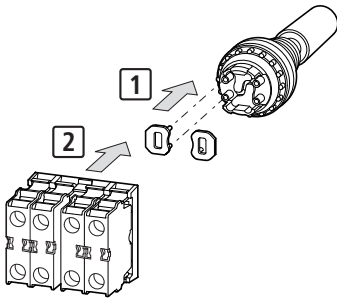
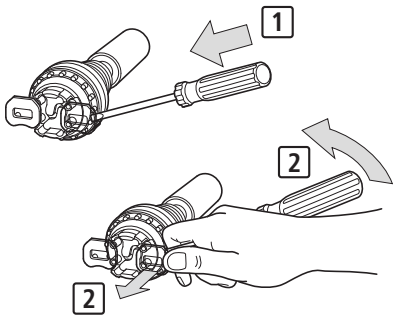




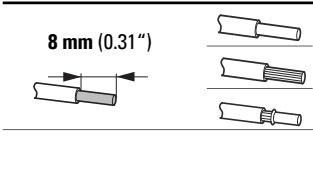
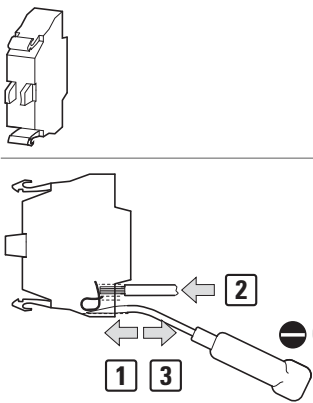
	$a \geq$ [mm]	$b \geq$	$a \geq$ [in]	$b \geq$
M22...-WR4	45	50	1.77	1.97
M22...-W(R)J4				
M22...-W(R)K4				
M22...-D4-...	55	55	2.17	2.17
M22-XCK...	50	50	1.97	1.97



07/21 IL04716002Z



M22-CK11, 02, 20



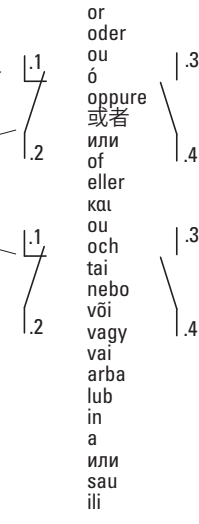
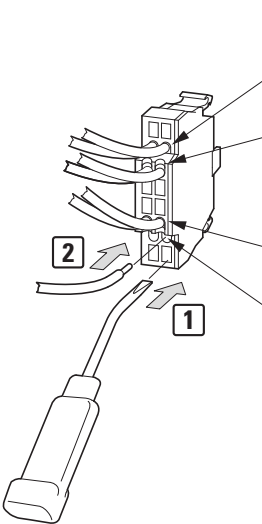
...CK11

...CK02

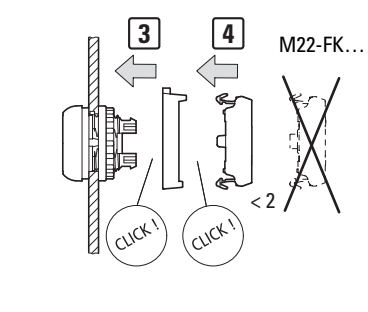
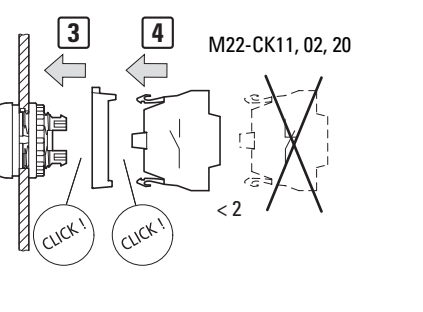
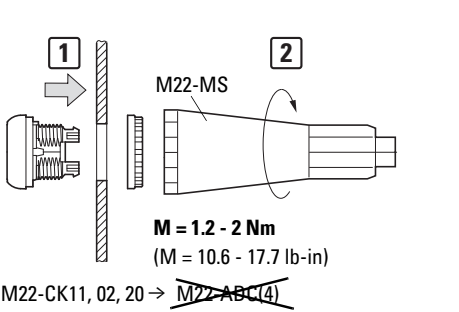
...CK20

8 mm (0.31")		2 x 0.5 - 1.5 mm ²	AWG20 - AWG16
		2 x 0.5 - 1.5 mm ²	AWG20 - AWG16
		2 x 0.5 - 1 mm ²	AWG20 - AWG18

→ 60/75 °C Cu wire only



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και
ou
och
tai
nebo
või
vagy
vai
arba
lub
in
a
или
sau
ili



M22-CK11, 02, 20 → ~~M22-ABC(4)~~

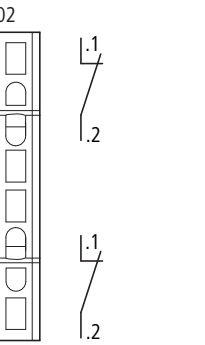
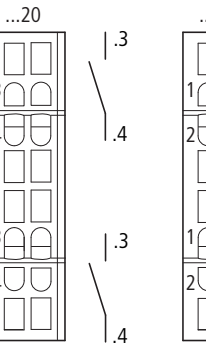
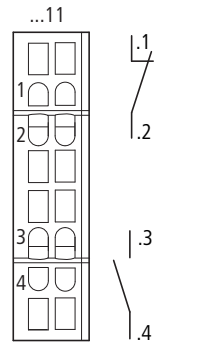
Reference numbers

M22-CK...

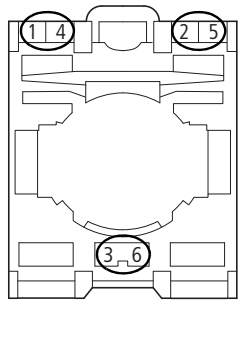
...11

...20

...02



M22-A

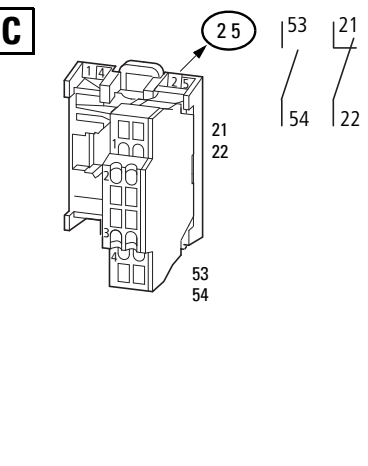
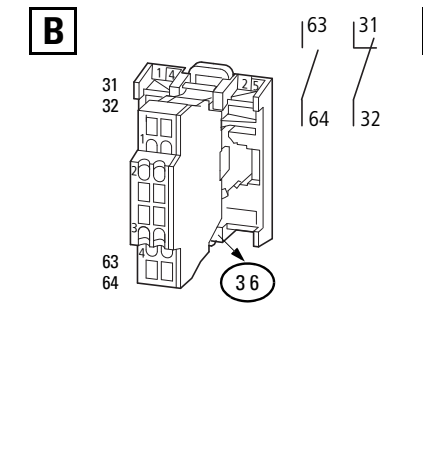
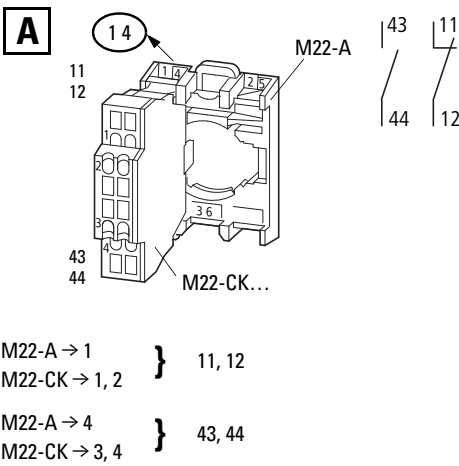


Example

A

B

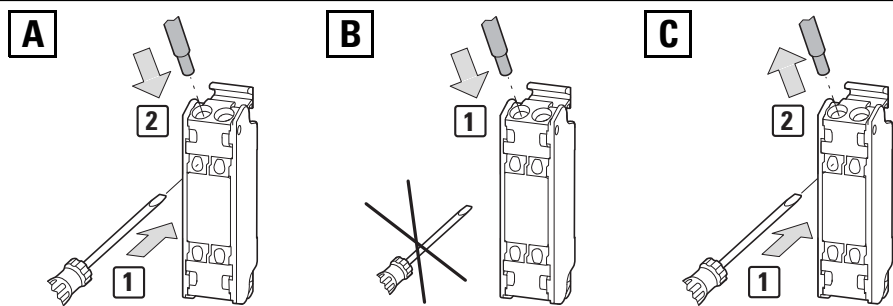
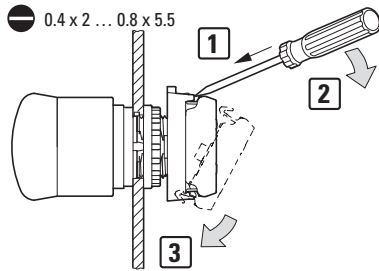
C



M22-A → 1 } 11, 12
M22-CK → 1, 2

M22-A → 4 } 43, 44
M22-CK → 3, 4

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



 8 mm (0.31")		0.25 - 0.34 mm ²	AWG24 - AWG22	A	C		
		0.5 - 1.5 mm ²	AWG21 - AWG16	B	C		
		0.2 - 1.5 mm ²	AWG24 - AWG16	A	C		
	DIN 46228 T1/T4	0.25 - 0.75 mm ²	AWG24 - AWG19	A	C		
		1.0 mm ²	AWG18	B	C		
→ 60/75 °C Cu wire only							

WAGO 206-204 Crimpzange Variocrimp 4

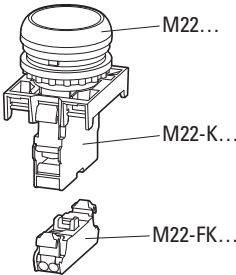
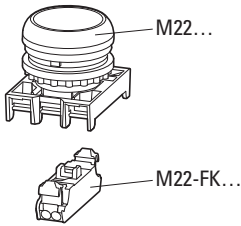
Rennsteig Article no. 6101853

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)	✓	✓	✓	✓