

Programming software & complete documentation available for download at www.lika.biz

with integrated cam programmer



Warning: encoders having order code ending with "/Sxxx" may have mechanical and electrical characteristics different from standard and be supplied with additional documentation for special connections (Technical Info).
Attenzione: gli encoder con codice di ordinazione finale "/Sxxx" possono avere caratteristiche meccaniche ed elettriche diverse dallo standard ed essere provvisti di documentazione aggiuntiva per cablaggi speciali (Technical info).
Achtung: Geräte, deren Bestellnummer mit der Kennung "/Sxxx" enden, können in ihren mech. und elektr. Eigenschaften vom Standard abweichen. Diese werden daher mit einer ergänzenden Dokumentation ausgeliefert (Technical info).
Atención: los encoders con código de pedido acabado en "/Sxxx" pueden tener características mecánicas y eléctricas diferentes a las básicas y documentación adicional relativa a conexiones especiales (Technical info).
Attention: les codeurs avec code de commande terminant en "/Sxxx" peuvent avoir des caractéristiques mécaniques et électriques différentes du standard et documentation additionnelle pour les câblages spéciaux (Technical info).

EN Mounting instructions

- ASRC: Fasten the anti-rotation pin 1 to the rear of the motor (secure it using a locknut);
- xx60: fix the tempered pin 6 to the rear of the motor;
- mount the encoder on the motor shaft using the reducing sleeve 8 (if supplied). Avoid forcing the encoder shaft;
- ASRC: insert the anti-rotation pin 1 into the slot on the flange of the encoder; this secures it in place by grub screw 2, preset at Lika;
- xx59: fasten the fixing plate 4 to the rear of the motor using two M3 cylindrical head screws 5;
- xx60: make sure the anti-rotation pin 6 is inserted properly into the fixing plate 7;
- fix the collar 3 to the encoder shaft (apply threadlocker to screw 3).

IT Istruzioni di montaggio

- ASRC: Fissare il pin antirotazione 1 sul retro del motore (fissaggio con controalbero);
- xx60: fissare la spina temprata 6 sul retro del motore;
- inserire l'encoder sull'albero del motore utilizzando la boccola di riduzione 8 (se fornita). Evitare sforzi sull'albero encoder;
- ASRC: inserire il pin antirotazione 1 nella fresatura della flangia encoder; esso rimane così in posizione grazie al grano 2 prefissato da Lika;
- xx59: fissare la molla di fissaggio 4 sul retro del motore utilizzando due viti M3 a testa cilindrica 5;
- xx60: assicurarsi che il pin antirotazione 6 sia inserito nella molla di fissaggio 7;
- fissare il collare 3 dell'albero encoder (fissare la vite 3 con frenafiletto).

DE Montagehinweise

- ASRC: Antirotationspin 1 auf der Rückseite des Motors anschrauben und durch die Verwendung einer Gegenmutter sichern;
- xx60: gehärtete Stift 6 auf der Rückseite des Motors anschrauben;
- Geber und Reduzierhülse 8 (wenn erforderlich) auf die Motorwelle montieren. Belastungen der Geberwelle vermeiden;
- ASRC: Antirotationspin 1 im Geberflansch einstecken. Der Antirotationspin 1 behält seine Position durch den angeschraubten Gewindestift 2; Belastungen der Geberwelle vermeiden;
- xx59: Befestigungsfeder 4 auf der Rückseite des Motors unter Verwendung zweier M3 Zylinderschrauben 5 montieren;
- xx60: der gehärtete Stift 6 für die Verdrehsicherung muß korrekt in die Verdrehschäfte 7 eingreifen;
- Klemmflansch 3 festschrauben (mit geeignetem Klebstoff festigen);

ES Instrucciones de montaje

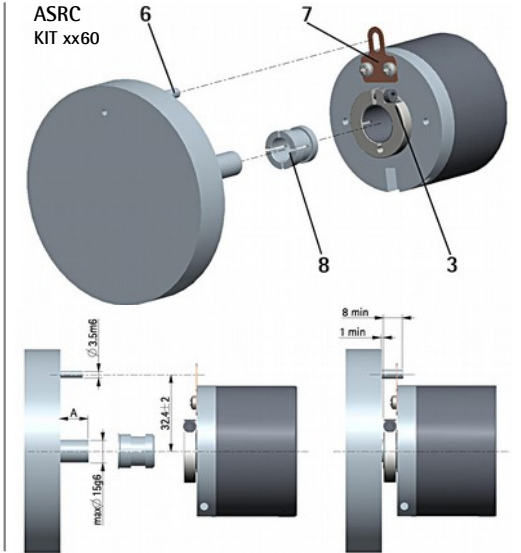
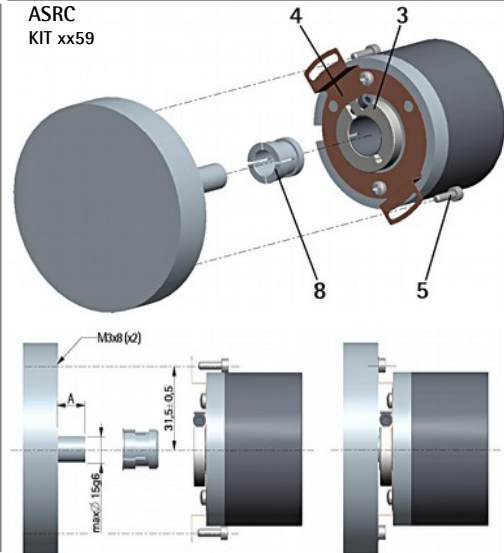
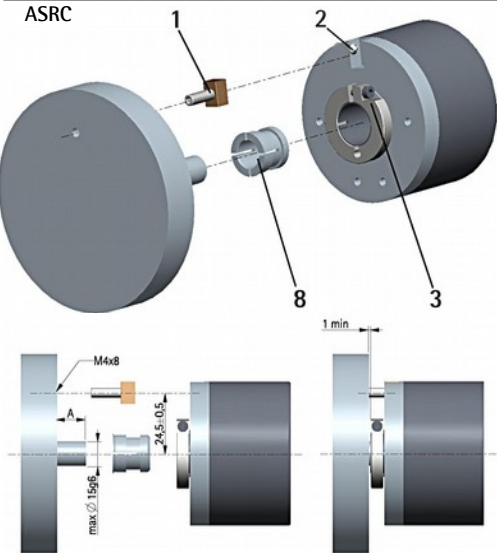
- ASRC: Fijar el pin antigiro 1 en la parte posterior del motor (fijación mediante contratuercas);
- xx60: fijar el pasador templado 6 detrás del motor;
- montar el encoder y el manguito reductor 8 (si se suministra) en el eje del motor sin forzar el eje del encoder;
- ASRC: insertar el pin antigiro 1 en el fresado de la brida del encoder; de esta manera el pin 1 es mantenido en su posición mediante el tornillo 2 prefijado por Lika;
- xx59: fijar la placa de fijación 4 en la parte posterior del motor mediante los dos tornillos 5 de cabeza cilíndrica tipo M3;
- xx60: asegurarse de que el pin antigiro 6 queda insertado en la placa de fijación 7;
- fijar el collar 3 de el eje encoder (aplicar fijador de roscas).

FR Instructions de montage

- ASRC: Fixer le pivot antirotation 1 à la partie postérieure du moteur (le bloquer avec un contre-écrou);
- xx60: fixer la goupille durcie 6 à la partie postérieure du moteur;
- monter le codeur et la douille de réduction 8 (si fournie) sur l'arbre moteur sans forcer l'arbre codeur;
- ASRC: introduire le pivot antirotation 1 à l'intérieur de la fraisure dans la bride de codeur; de cette façon le pivot 1 est maintenu en position par le boulon sans tête 2 préfixé par Lika;
- xx59: fixer la plaquette de fixation 4 à la partie postérieure du moteur en utilisant deux vis type M3 à tête cylindrique 5;
- xx60: s'assurer que le pivot antirotation 6 soit inséré sur la plaquette de fixation 7;
- fixer le collier 3 de l'arbre codeur (appliquer du frein-filet sur la vis 3).



MOTOR SHAFT	A [mm]	
	min	max
	8	18



A32 cable / 25-pin DSub connection					
Function	A32 cable	DSub pin	Function	A32 cable	DSub pin
OUT 1	Brown	1	OUT 16	Brown/Green	16
OUT 2	Red	2	Load Program (1)	White/Green	17
OUT 3	Pink	3	Sel. Prg. 2 ^o (2)	Yellow/Brown	18
OUT 4	Yellow	4	Sel. Prg. 2 ^o (2)	White/Blue	19
OUT 5	Green	5	Sel. Prg. 2 ^o (2)	Brown/Blue	20
OUT 6	Blue	6	Sel. Prg. 2 ^o (2)	White/Pink	21
OUT 7	Violet	7	Zero setting	Grey/Green	22
OUT 8	Grey	8	Counting direction	Yellow/Pink	23
OUT 9	White	9	+10 +30Vdc Power supply	Green/Blue + Pink/Green	24 (3)
OUT 10	Black	10	0Vdc Power supply (4)	Yellow/Blue + Yellow/Grey	25 (3)
OUT 11	Brown/Red	11	Shield	Shield	Case
OUT 12	White/Red	12			
OUT 13	Red/Blue	13			
OUT 14	Pink/Grey	14			
OUT 15	White/Yellow	15			

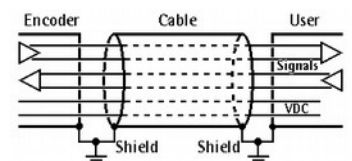
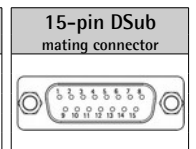
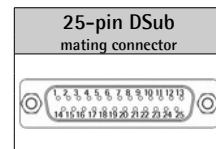
LIKA A32 Li-YCY cable, 32 x 0.14 mm², Ø 9.1 mm ± 5%

PC connection		
Personal computer 9-pin DSub, female	Cable	ASRC 15-pin
Pin 2	Grey/Brown	13
Pin 3	Pink/Brown	12
Pin 5	White/Black	8

RS-232 serial port settings	
Function	Data
Bits per second	9600
Data bits	8
Parity	None
Stop bits	1
Flow control	None

A32 cable / 15-pin DSub connection		
Function	A32 cable	DSub pin
Analogue output (5)	Brown	4
Speed	-	5
0Vdc (4)	Brown/Black	6
Fault	White/Grey	7
0Vdc RS-232 (6)	White/Black	8
0Vdc (4)	-	11
RxD RS-232	Pink/Brown	12
TxD RS-232	Grey/Brown	13
+10 +30Vdc Power supply	-	14 (3)
0Vdc Power supply (4)	-	15 (3)
Shield	Shield	Case

Connector type male frontal side maschio lato contatti Aufischt Stiftseite macho lado contactos mâle côté contacts



- Connect to 0Vdc for 10 ms at least to load the program. Warning: do not connect to +Vdc.
- Program selection inputs are internally connected to 0Vdc through pull-down resistors. They are active at +Vdc.
- Please mind that pins 14 and 15 of 15-pin DSub connector are internally connected to pins 24 and 25 of 25-pin DSub connector respectively (therefore single power supply is used for both!).
- 0Vdc and +30Vdc Power supply are internally connected.
- Analogue output is optional; see the order code. With A32 cable output it is available in place of OUT 1.
- 0Vdc RS-232 is internally insulated from 0Vdc Power supply.



Installation has to be carried out with power supply disconnected. L'installazione deve essere eseguita in assenza di tensione. Der Anschluss darf nur bei ausgeschalteter Versorgungsspannung erfolgen. La instalación sólo debe ser efectuada en ausencia total de tensión. Le montage du dispositif doit être effectué en absence totale de tension.

