

en Mounting instructions

Rotary-type actuator

cn 安装指导

旋转型执行器

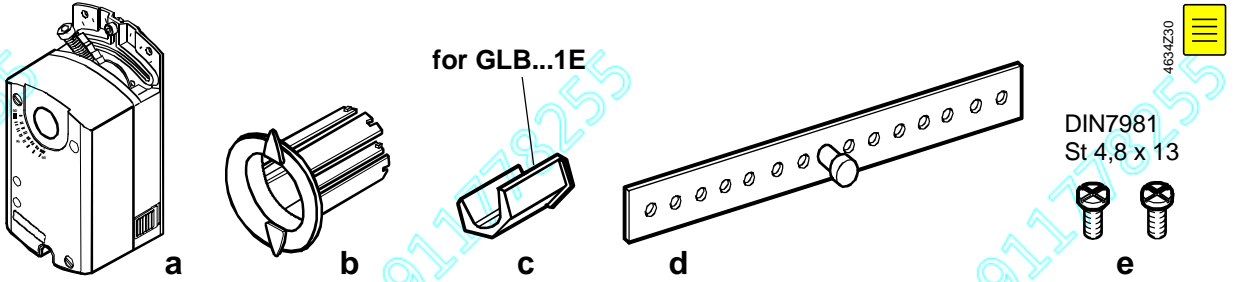
GDB..1

GLB..1

GSF..1

A

Deliverables
设备构件

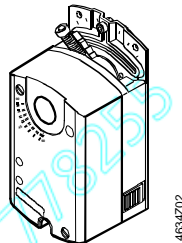


B

Notes / Warnings
提示 / 警告

保護等級 / 注意

IP54
in all positions



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Store these instructions together with the actuator or with the plant documentation!

! This symbol denotes dangers and measures to avoid personal injury and property damage:

- Only authorized personnel may connect actuators for AC 230 V.
- Refer to the table in "Diagrams" for the voltages permissible at the auxiliary switches.
- Do not expose the actuator's connecting cables to water or lay the cables in water.

Device of protection class II (protective insulation)

Device of protection class III (protective insulation)

Warning! Do not open the actuator.

Presetting

Factory set: 5°.

Manual override of the actuator

Only allowed after position indicator, according to section C1 and C2.

Wiring and commissioning

Refer to the actuator's commissioning instructions and document "Technical basics" CM2Z4634.

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请将此安装指导文件与驱动器或现场文件保存在一起。

! 此符号代表危险和须要采取措施以免对人及财产产生损害:

- 只有被授权的工程人员才可进行 220V 交流电压的电气安装。
 - 请参考“图内”有关辅助开关可容许电压表。
- 不要将已连接电线的驱动器暴露在水中及将电线安放在水中。

设备安全等级 II (绝缘保护)

设备安全等级 III (绝缘保护)

注意! 请不要打开驱动器

预先设定

出厂时设定为: 5°.

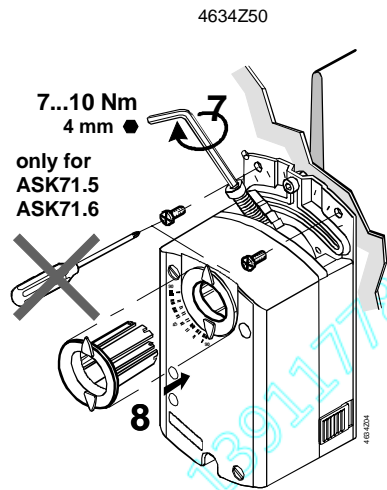
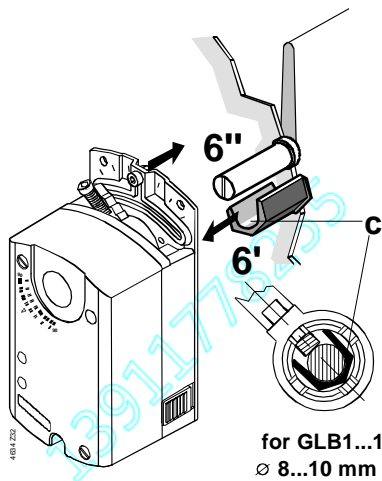
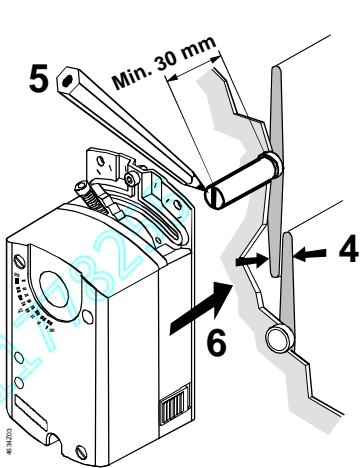
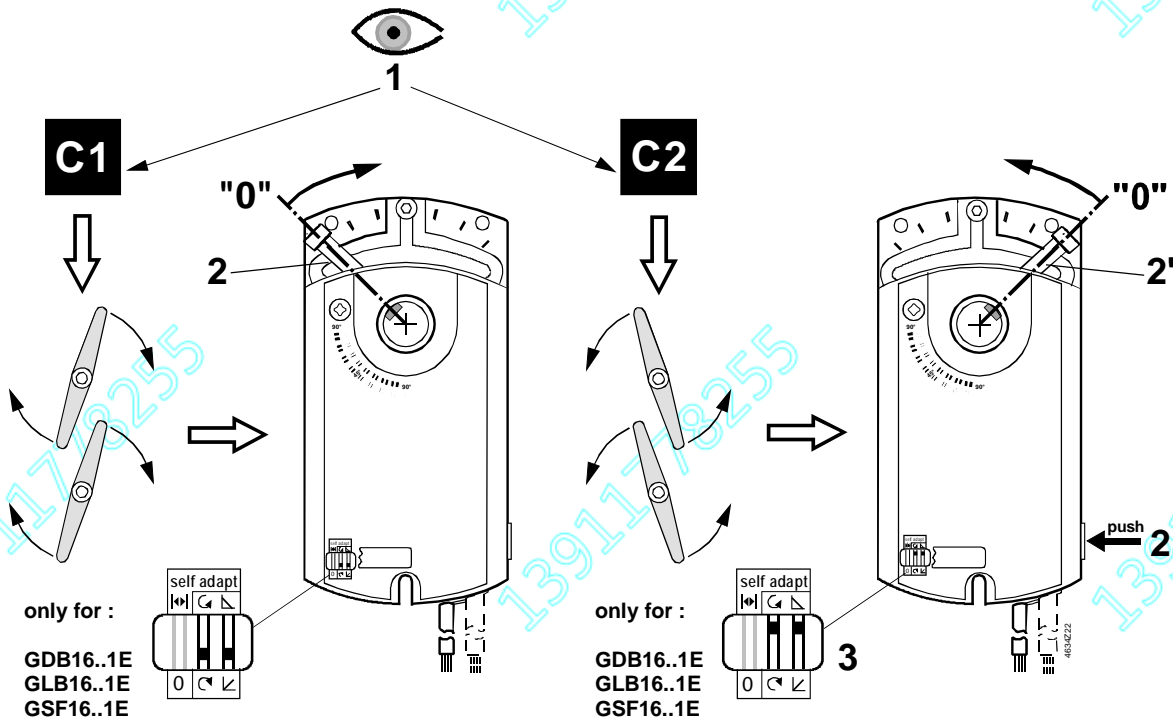
手动并关驱动器

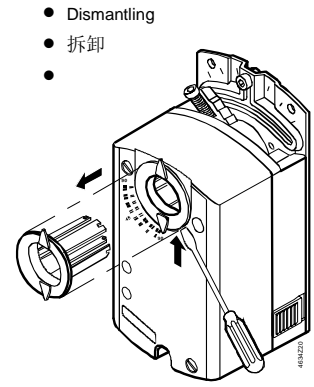
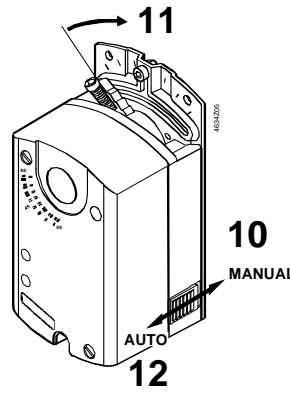
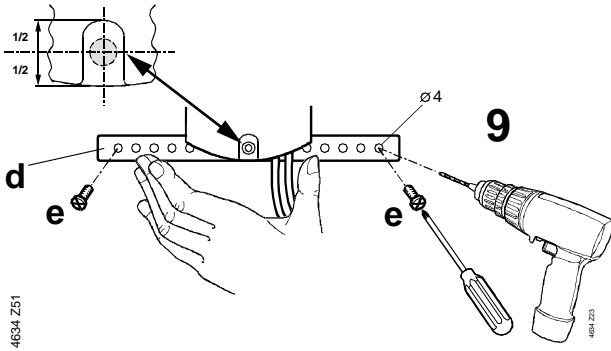
在位置显示依据图 C1 及 C2 安装后, 才可使用手动开关.

驱动器接线和调试

请察看调试指导和驱动器技术资料 CM2Z4634.

C Shaft Mounting
轴的安装

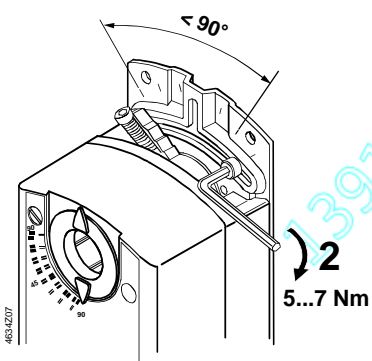
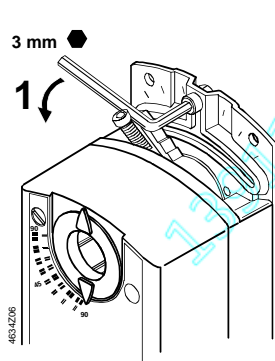




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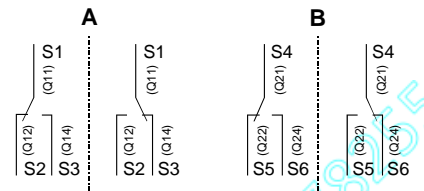
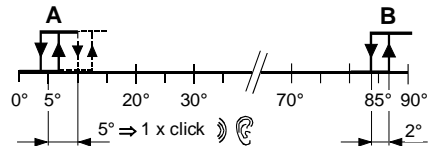
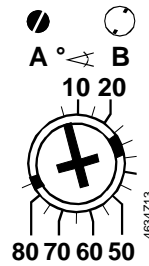
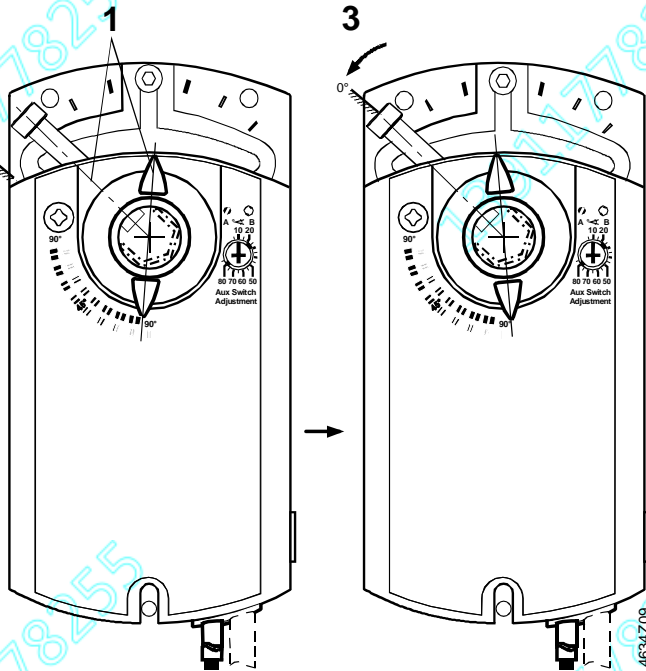
D

Limits for angular rotation 旋转角度的限位设置



E

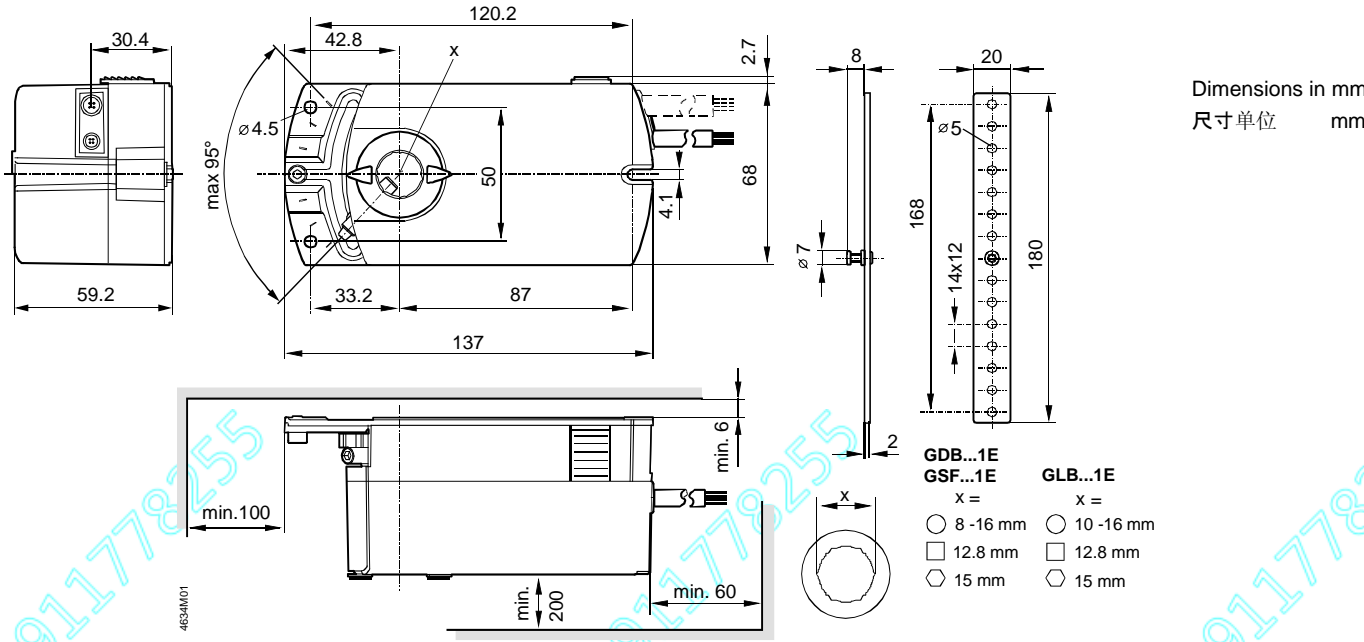
Setting: Auxiliary switches A, B 设定辅助开关



F

Dimensions 尺寸

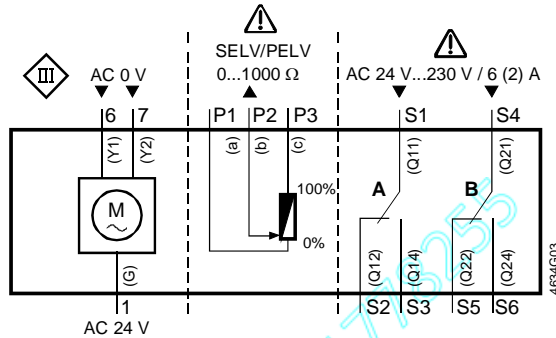
外形尺寸



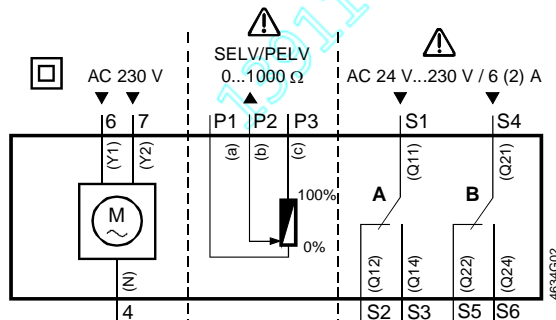
G

Diagrams 接线图

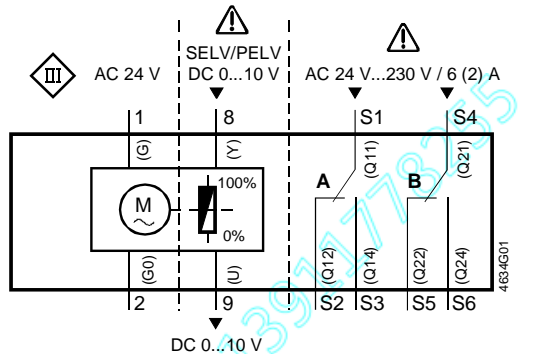
GDB13..1E
GLB13..1E




GDB33..1E
GLB33..1E



GDB16..1E
GLB16..1E
GSF16..1E



 Voltage	Switch A (S1)	Switch B (S4)	ok / no!
AC 24 V	AC 24 V	AC 24 V	ok
AC 230 V	L1 (phase) L2 L3 L _x (phase)	L1 (phase) L2 L3 ≠ L _x (phase)	ok ok ok no!
mixed	AC 24 V AC 230 V	AC 230 V AC 24 V	no! no!

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Wire designations

Connection	Cable				Meaning
	Code	No.	Color	Abbreviation	
AC 24 V Actuators	G	1	red	RD	System potential AC 24 V
	G0	2	black	BK	System neutral
	Y1	6	purple	VT	Actuating signal AC 0 V "clockwise"
	Y2	7	orange	OG	Actuating signal AC 0 V "anticlockwise"
	Y	8	gray	GY	Actuating signal DC 0...10 V, 0...35 V
	U	9	pink	PK	Position indication DC 0...10 V
AC 230V Actuators	N	4	blue	BU	Neutral
	Y1	6	black	BK	Actuating signal AC 230 V, "clockwise"
	Y2	7	white	WH	Actuating signal AC 230 V, "anticlockwise"
Auxiliary switch	Q11	S1	gray/red	GYRD	Switch A input
	Q12	S2	gray/blue	GYBU	Switch A normally closed contact
	Q14	S3	gray/pink	GYPK	Switch A normally open contact
	Q21	S4	black/red	BKRD	Switch B input
	Q22	S5	black/blue	BKBU	Switch B normally closed contact
	Q24	S6	black/pink	BKPK	Switch B normally open contact
Feedback potentiometer	a	P1	white/red	WHRD	Potentiometer 0...100 % (P1-P2)
	b	P2	white/blue	WHBU	Potentiometer pick-off
	c	P3	white/pink	WHPK	Potentiometer 100...0 % (P3-P2)

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电缆说明

连接	线缆				注解
	端子号	端子	颜色	缩写	
AC 24 V 驱动器	G	1	红色	RD	供电类型为 AC24
	G0	2	黑色	BK	中性
	Y1	6	紫色	VT	驱动器控制信号 AC 0 V "顺时针旋转"
	Y2	7	橙色	OG	驱动器控制信号 AC 0 V "逆时针旋转"
	Y	8	灰色	GY	连续量调节信号 DC 0...10 V
	U	9	粉色	PK	位置反馈信号 DC 0...10 V
AC 230V 驱动器	N	4	蓝色	BU	中性
	Y1	6	黑色	BK	驱动器控制信号 AC 230 V "顺时针旋转"
	Y2	7	白色	WH	驱动器控制信号 AC 230 V "逆时针旋转"
辅助开关	Q11	S1	灰/红	GYRD	辅助开关 A 输入公共端子
	Q12	S2	灰/蓝	GYBU	辅助开关 A 常闭端子
	Q14	S3	灰/蓝	GYPK	辅助开关 A 常开端子
	Q21	S4	黑/红	BKRD	辅助开关 B 输入公共端子
	Q22	S5	黑/蓝	BKBU	辅助开关 B 常闭端子
	Q24	S6	黑/粉	BKPK	辅助开关 B 常开端子
位置反馈电位计	a	P1	白/红	WHRD	电位计算器 0...100 % (P1-P2)
	b	P2	白/蓝	WHBU	电位计滑块
	c	P3	白/粉	WHPK	电位计算器 100...0 % (P3-P2)