SHIHLIN SDC-E Servolarda STO Bağlantısı ve AL35-AL36-AL37-AL38 Açıklamaları

SDC-E servolarda STO(safe torque off) fonksiyonu bulunmaktadır. Safety sistemlerde zorunlu olduğundan bu bağlantı yapılması gerekmektedir. **STO1, STO2, +24** inputlarını birbirleriyle kısa devre yaparak alarmların gelmesini engelleyebilisiniz.

3.7 CN6 Safe Torque Off (STO) connector description

The pin assignment of the connector (CN6) are as follows:



Terminal name	Connector and its pin assignment		
		CN6 STO1 +24V 0V STO2	
	Pin sign	Signal name	Function
STO (CN6)	1	+24V	Drive internal +24V power
	2	STO1	STO input 1
	3	STO2	STO input 2
	4	0V	STO reference ground

The following table describes the functions of the STO related terminals:

Terminal name	Function	Description
+24V	Internal +24V power supply	Output Voltage Range: +24V±10% Output Current Range: below 200mA
STO1	STO input 1	STO1/STO2 Rated Input Voltage: +24V±10% STO action mode Input voltage level: 0~5V STO response time: <=8mS STO cut-off mode Input voltage level: 18~30V
STO2	STO input 2	
0V	STO reference ground	

STO related terminal function description

STO ile ilgili tüm hataları aşağıdan inceleyebilirsiniz.

11.4 STO alarm description and troubleshooting

AL.35: STO1/STO2 module error

Reasons for Alarms	Alarm analysis	Alarm troubleshooting
STO function enabled	Check or reconnect STO1/STO2 module wiring, If the issue persists, send back to the distributor or contact Shihlin.	

AL.36: STO1 module error

Reasons for Alarms	Alarm analysis	Alarm troubleshooting
STO function enabled	Check or reconnect STO1 module wiring, If the issue persists, send back to the distributor or contact Shihlin.	

AL.37: STO2 module error

Reasons for Alarms	Alarm analysis	Alarm troubleshooting
STO function enabled	Check or reconnect STO2 module wiring, If the issue persists, send back to the distributor or contact Shihlin.	

AL.38: Internal diagnostic circuit error

Reasons for Alarms	Alarm analysis	Alarm troubleshooting
Internal diagnostic circuit error	After confirming that all external wiring is correct and meets the requirements, then restart the power, If the issue persists, send back to the distributor or contact Shihlin.	