



DC Motor Weidmuller Connector Color Code			
Included with DC Motor Cable	Included with PoE Gateway Motor Adaptor Cable	Included with Daisy Chain Adaptor Cable	Purchase Separately

Male Printed Weidmuller Connector		DC Motor Port Wiring Pinout		Female Non-Printed Weidmuller Connector	
Male Pin #	Function	Female Pin #			
1	Power (+)	5			
2	Power (-)	4			
3	SDN RS485 (+)	3			
4	SDN RS485 (-)	2			
5	SDN RS485 Ground	1			

SDN Bus Wiring Pinout		
CAT-5e or higher TIA-568B standard with RJ-45		
Pin #	Color	Function
1	Orange White	SDN RS485 (+)
2	Orange	SDN RS485 (-)
3	Green White	Reserved
4	Blue	Power 24v DC
5	Blue White	Power 24v DC
6	Green	Reserved
7	Brown White	SDN RS485 Ground
8	Brown	SDN RS485 Ground

- NOTE:
- PoE Gateway can control up to four Motors
 - PoE Gateway moves the ST-50 Motors connected one at a time
 - A Keypad connected to a PoE Gateway will control the Motors connected to the same PoE Gateway only
 - PoE Gateway allows control by one Keypad per unit

ST-50 Motor Head Data Pinout		
Pin #	Function	Color
1	Power (+)	Red
2	Power (-)	Black
3	NC	-
4	SDN RS485 (-)	Green
5	SDN RS485 (+)	Yellow
6	SDN RS485 Ground	White

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Date:	11/13/18	Revisions			
		Rev	Date	By	Description
Print Size:	11" x 17"	-	--/--/--	-	
NTS:	NTS	-	--/--/--	-	
Sales:	N/A	-	--/--/--	-	
Drawn by:	RV	-	--/--/--	-	
Checked by:	PK	-	--/--/--	-	

Dwg Title:
**PoE Gateway with
Four ST-50 DC Motors
& Keypad Wire Detail**

Dwg No.:
POE-WIRING-07

Project name:
Technical Library

Client:
Somfy Systems

Address:
**121 Herrod Boulevard
Dayton, NJ 08810**