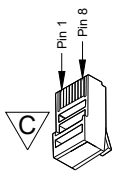
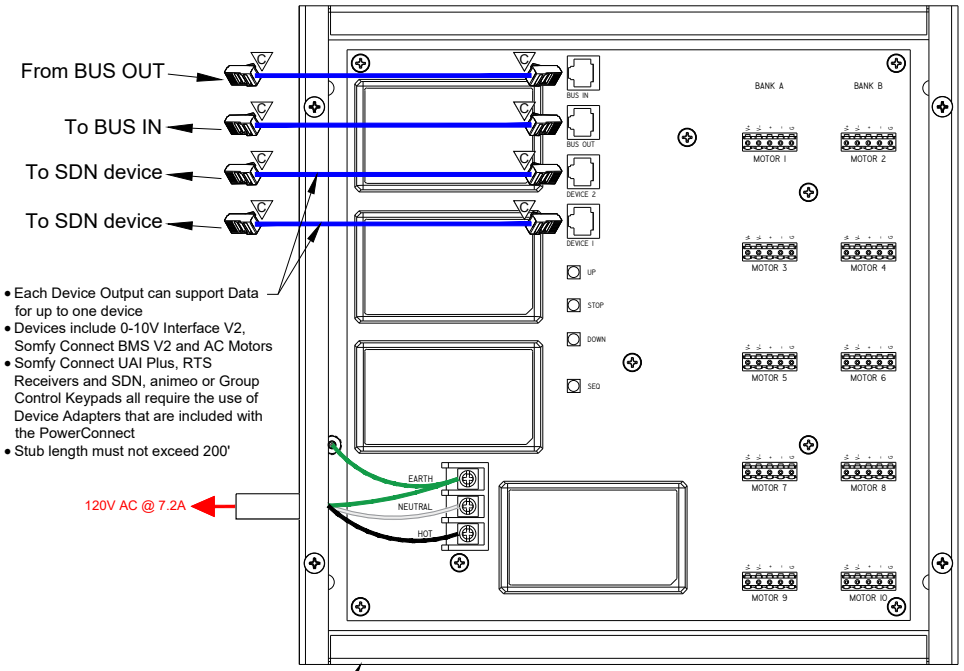
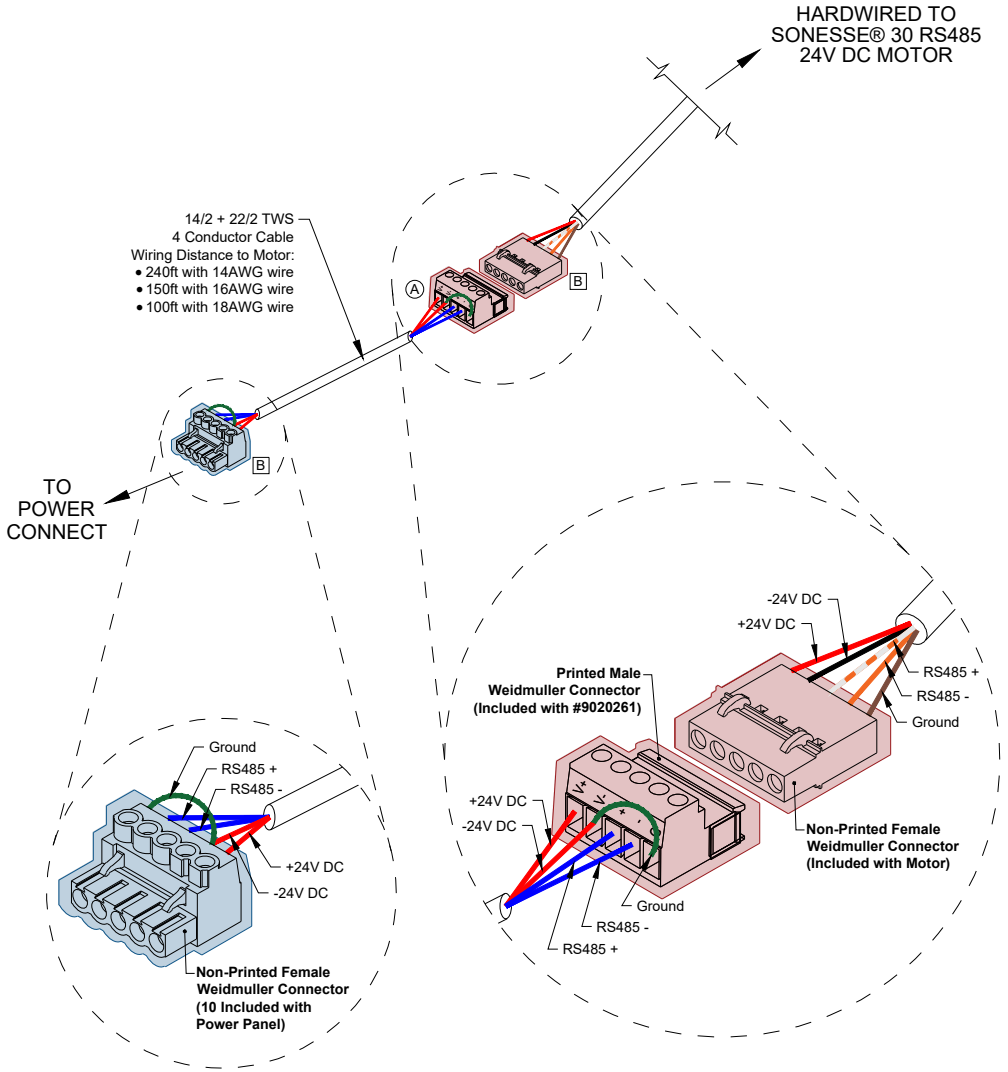
SDN Bus Wiring Pinout		
CAT-5e or higher TIA-568B standard with RJ-45		
Pin #	Color	Function
1	Orange White	SDN RS485 (+)
2	Orange	SDN RS485 (-)
3	Green White	Reserved
4	Blue	Power 24v DC
5	Blue White	Power 24v DC
6	Green	Reserved
7	Brown White	SDN RS485 Ground
8	Brown	SDN RS485 Ground





SDN PowerConnect
Surface Mount
#1871026

Wiring Distance to Motor
- 240ft with 14AWG wire
- 150ft with 16AWG wire
- 100ft with 18AWG wire



Weidmuller Connector Color Code	Included with DC Motor Cable	Included with PowerConnect

Male Printed Weidmuller Connector

A

V+ V- + - G

1 2 3 4 5

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

Female Non-Printed Weidmuller Connector

B B

1 2 3 4 5 1 2 3 4 5

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Date:	07/26/23
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Sales:	N/A
Drawn by:	RV
Checked by:	PK

Revisions			
Rev	Date	By	Description
-	--/--/--	-	
-	--/--/--	-	
-	--/--/--	-	
-	--/--/--	-	
-	--/--/--	-	

Dwg Title: ST-30 V2 Wiring with 4-Cond Cable to PowerConnect Surface Mt.

Dwg No.: ST30DC-WIRING-08

Project name: Technical Library

Client: Somfy Systems, Inc.

Address: 121 Herrod Boulevard
Dayton, NJ 08810