DC Motor Weidmuller Connector Color Code

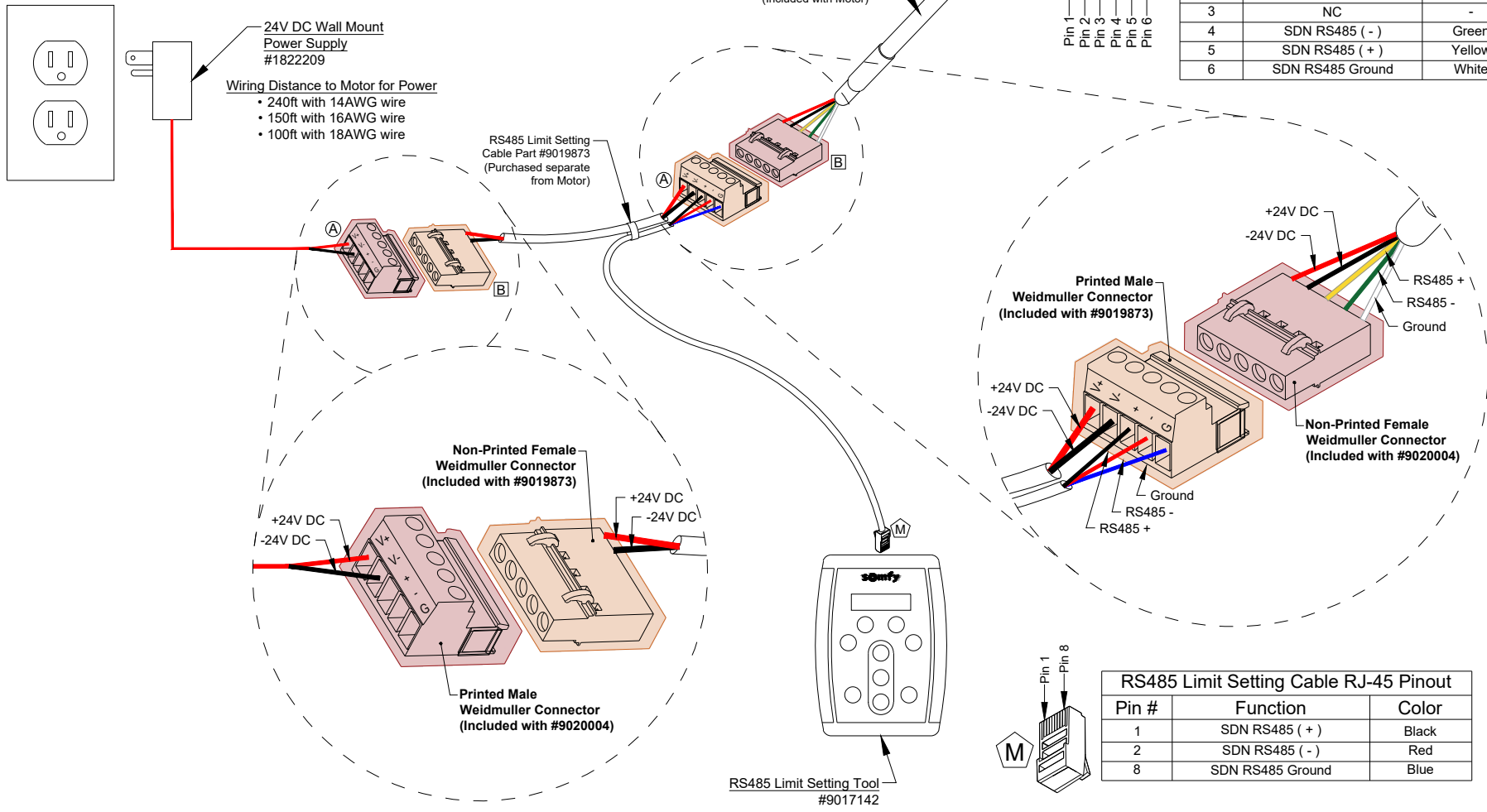| Included with DC Motor Cable	Included with RS485 Limit Setting Cable

DC Motor Port Wiring Pinout

Male Printed Weidmuller Connector Ⓐ

Female 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 Wiring Pinout
CAT-5e or higher TIA-568B standard with RJ-45

Ⓒ Pin 1 — Pin 8

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

TO ST-50 DC MOTOR

ST-50 Motor Head Data Pinout

Pin 1 Pin 2 Pin 3 Pin 4 Pin 5 Pin 6

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

ST-50 DC RS485 Cable Data and Power Pigtail Part# 9020004 (Included with Motor)

24V DC Wall Mount Power Supply #1822209

Wiring Distance to Motor for Power
• 240ft with 14AWG wire
• 150ft with 16AWG wire
• 100ft with 18AWG wire

RS485 Limit Setting Cable Part #9019873 (Purchased separate from Motor)

Ⓐ Ⓑ

Printed Male Weidmuller Connector (Included with #9019873)

+24V DC
-24V DC
RS485 +
RS485 -
Ground

Non-Printed Female Weidmuller Connector (Included with #9020004)

+24V DC
-24V DC
Ground
RS485 -
RS485 +

Non-Printed Female Weidmuller Connector (Included with #9019873)

+24V DC
-24V DC

+24V DC
-24V DC

Printed Male Weidmuller Connector (Included with #9020004)

Ⓜ

RS485 Limit Setting Tool #9017142

RS485 Limit Setting Cable RJ-45 Pinout

Ⓜ Pin 1 — Pin 8

Pin #	Function	Color
1	SDN RS485 (+)	Black
2	SDN RS485 (-)	Red
8	SDN RS485 Ground	Blue

Tel: 1-800-64-SOMFY
Fax: 1-609-495-8165
www.somfysystems.com

somfy.