NSX Local and Remote Communication with Micrologic 5.2E, 5.3E, 6.2E-M, 6.3E-M

Remote Communication

Ethernet (TPC/IP/Modbus)

Phaseo Power Supply

EGX300 Gateway

ULP

Modbus Interface Module is required to address each NSX breaker.

Reference No: TRV00211

FDM121

FDM121

Front display module one to one displays power measurement.

OPTIONAL with Remote or Local Communication.

Reference No: TRV00121

NSX CORD

NSX CORD

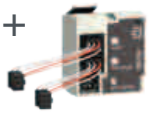
NSX Cord plugs into either the FDM121 or ULP module via RJ45 connections.

Reference No: LV434201 = 1.3m length
Reference No: LV434202 = 3.0m length

Local Communication

NSX 400/ 630A MCCB

BSCM



NSX 100/160/ 250A MCCB

BSCM

BSCM module provides open close and trip control and or communication.

Reference No: LV434205

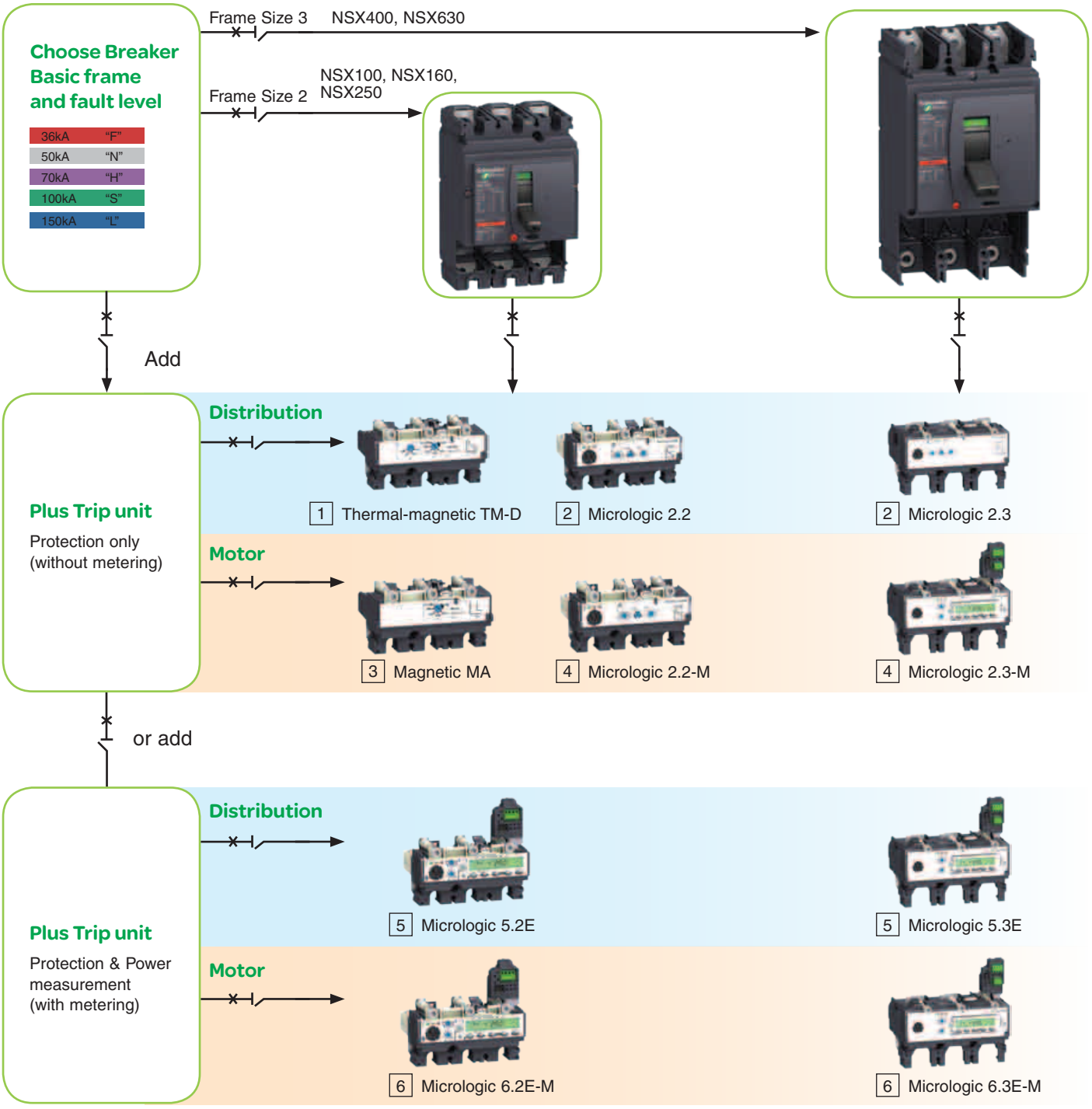
Notes

1 RJ45–RJ45 cables available in varying lengths to connect from a FDM121 to ULP and an ULP to a gateway

2 One 24v DC Phaseo power supply, 30w, 1.2A (ref: ABL8MEM24012) will support many ULP, FDM121 modules.

Schneider Electric

NSX Breaker Body and Trip Unit Selection



Protection Setting adjustments

1 Long time protection (Adjustable) : Ir = 0.7 to 1.00 x In
Long time delay (Fixed): tr (6.0Ir) = 15.0s
Instantaneous protection (Fixed): Ii = 8 - 12 times

2 Long time protection (Adjustable): Io = In x 0.4 to 1
Long time protection (Adjustable): Ir = Io x 0.9 to 1
Long time delay (Fixed): tr (6.0Ir) = 16.0s
Short circuit protection (Adjustable): Im(Isd) = 1.5 to 10 times Ir
Instantaneous protection (Fixed): Ii = 11 - 15 times

3 Instantaneous protection (Adjustable): Ii = In x 9 to 14 times

4 Long time protection (Adjustable) : Ir = 0.5 to 1.00 x In
Class: 5, 10, 20
Short circuit protection (Adjustable): Im(Isd) = 5 to 13 times Ir
Short time delay (Fixed) : tm (tsd) = 30mS
Instantaneous protection (Fixed) Ii = 13 - 15 times

5 Long time protection (Adjustable) : Ir = In x 0.4 to 1
Long time protection (Adjustable) : Ir fin = 1.0A adjustments
Long time delay (Adjustable) : tr (6.0Ir) = 0.5 to 16.0s
Short circuit protection (Adjustable): Im(Isd) = 1.5 to 10 times Ir
Short circuit protection (Adjustable): Im fin = 0.5 time adjustments
Short time delay (Adjustable) : tm (tsd) = 0.00 to 400mS
I2 t delay: OFF or ON
Instantaneous protection (Adjustable): Ii = 1.5 - 15 times

6 Long time protection (Adjustable) : Ir = In x 0.4 to 1
Long time protection (Adjustable) : Ir fin = 1.0A adjustments
Long time delay (Adjustable): tr (6.0Ir) = 0.5 to 16.0s
Short circuit protection (Adjustable): Im(Isd) = 1.5 to 10 times Ir
Short time delay (Adjustable): tm (tsd) = 0.00 to 400mS
I2 t delay: OFF or ON
Instantaneous protection (Adjustable): Ii = 1.5 - 15 times
Earth fault protection (Adjustable): Ig
Earth fault time delay (Adjustable): tg