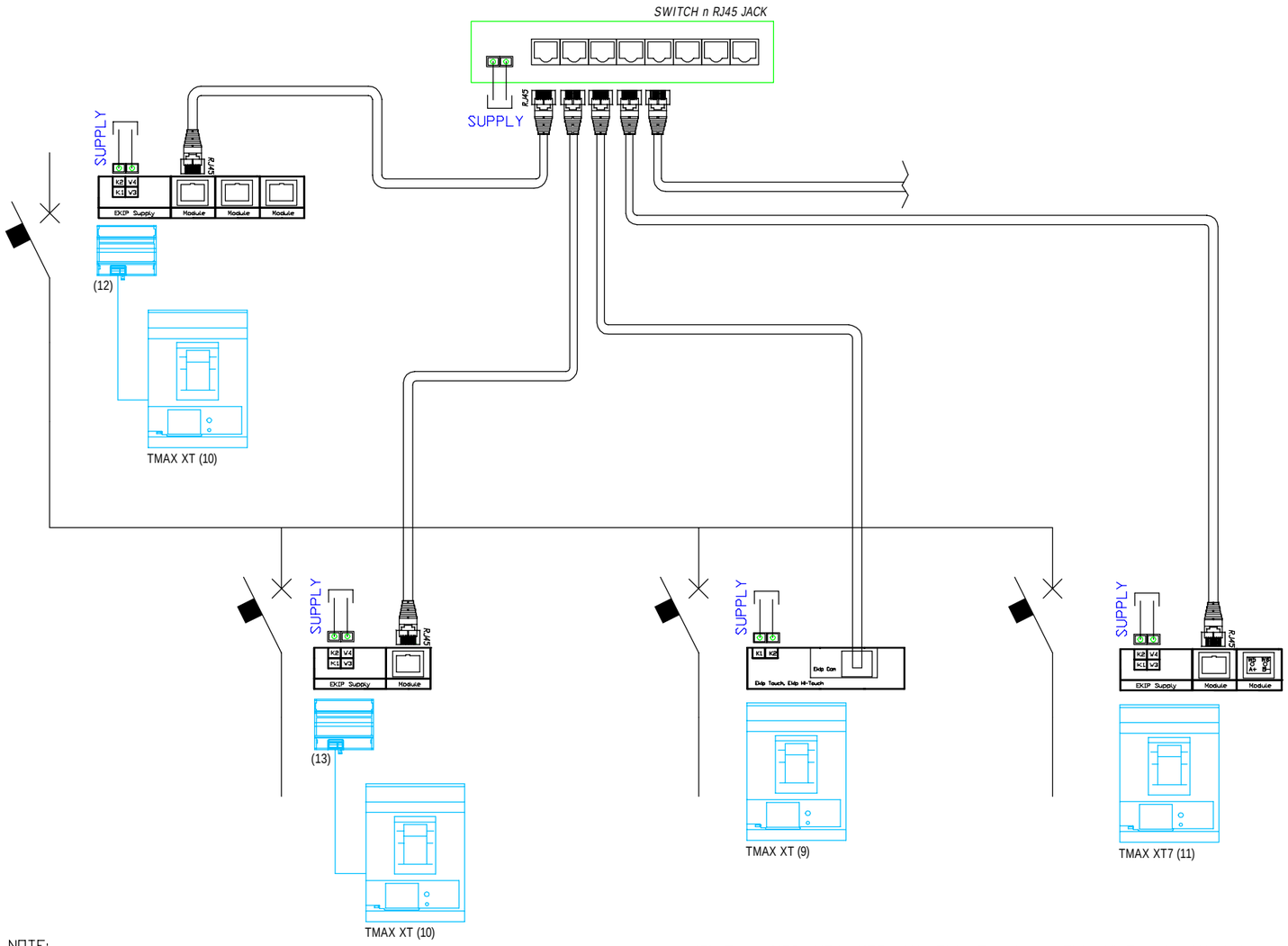

Ekip Supply Module		
Supply	Ekip Supply DC	Ekip Supply DC/AC
Primary Voltage	24 - 48 V DC	110-240 V AC/DC
Voltage range	21,5 - 53 V DC	105-265 V AC/DC
Frequency range	-	45-66 Hz
Nominal power	10 W max	10 VA/W max

Communication System Interface

NOTE:
(1) Cat6 S/FTP Ethernet cable is recommended.
(2) The devices must be connected to an Ethernet cable via the RJ45 female port (W9) of the Ekip Com Ethernet/IP Module.
(3) It is necessary to use unmanaged Ethernet Switch 10/100 MBit/s with a sufficient number of ports for the connection of all the devices using Ekip Com Ethernet/IP. The choice and installation of the Ethernet Switch is responsibility of the customer.
(4) The maximum length of the Ehternet cable from the Ekip Com Ethernet/IP module to the Ehternet Switch device is 100 m with Cat6 S/FTP Ethernet cable.
(5) Devices connected to the same Ethernet/IP network must have different IP addresses, the use of static IP addresses is recommended. To assign static IP addresses, set "Force Static IP Address" in the Ekip Com Ethernet/IP module menu.
(6) It is possible toset IP address of Ekip Com Ethernet/IP modules in one of the ways:
- directly via the release display (XT5, XT7)
- With a device connected to a computer through an Ekip Programming Unit or Ekip T&P unit and with Ekip Connect software.
- With device connected via bluetooth with Smartphone or tablet with EPiC application.
(7) EDS file (Ekip Com EtherNetIP_v02_07.eds) available on ABB library in the document "Communication System Interface".
(8) For more information www.odva.org

(9) Tmax XT2, XT4, XT5 with Ekip Touch or Ekip Hi-Touch with internal Ekip COM Ethernet module.
Breaker with internal communication module is supplied from facotry with ethernet cable 1 meter lenght already connected to trip unit.

(10) Tmax XT2, XT4 in one of the following configurations:
- Ekip Touch or Touch Measuring or Ekip Hi-Touch + Ekip Cartridge + Ekip Supply + Ekip Com Ethernet
- Ekip M Touch + Ekip Cartridge + Ekip Supply + Ekip Com Ethernet

Tmax XT5 in one of the following configurations:
- Ekip Touch or Touch Measuring or Ekip Hi-Touch + Ekip Cartridge + Ekip Supply + Ekip Com Ethernet
- Ekip G Touch or G Hi-Touch + Ekip Cartridge + Ekip Supply + Ekip Com Ethernet
- Ekip M Touch + Ekip Cartridge + Ekip Supply + Ekip Com Ethernet

(11) Tmax XT7 in one of the following configurations:
- Ekip Touch or Touch Measuring or Ekip Hi-Touch + Ekip Supply + Ekip Com Ethernet
- Ekip G Touch or G Hi-Touch + Ekip Supply + Ekip Com Ethernet
- Ekip M Touch + Ekip Supply + Ekip Com Ethernet
(12) Ekip Cartridge 4 Modules version
(13) Ekip Cartridge 2 Modules version
(14) Connect the positive polarity supply cable to terminal K1 and the negative polarity supply cable to terminal K2.

EM. Issue	DESCRIZIONE - Description	COMPIL. Drawn up	VERIFIC. Chk'd	APPROV. App'd	DATA Date
1	FIRST RELEASE	GM	PS	MB	04/07/19

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CODICE IDENTIFICAZIONE identification code
COMM.-Job E C T N?
9AKK107492A5509
FOGLIO Sheet 001 EM. Issue XX

TITOLO - Title
CONNECTION SCHEME
TMAX XT WITH ETHERNET IP

IMPIANTO - Plant	DATA - Date	SCALA GRAFICA - Graphic scale	RIF. CLIENTE - Client ref.
XXX	XXX	XXX	XXX