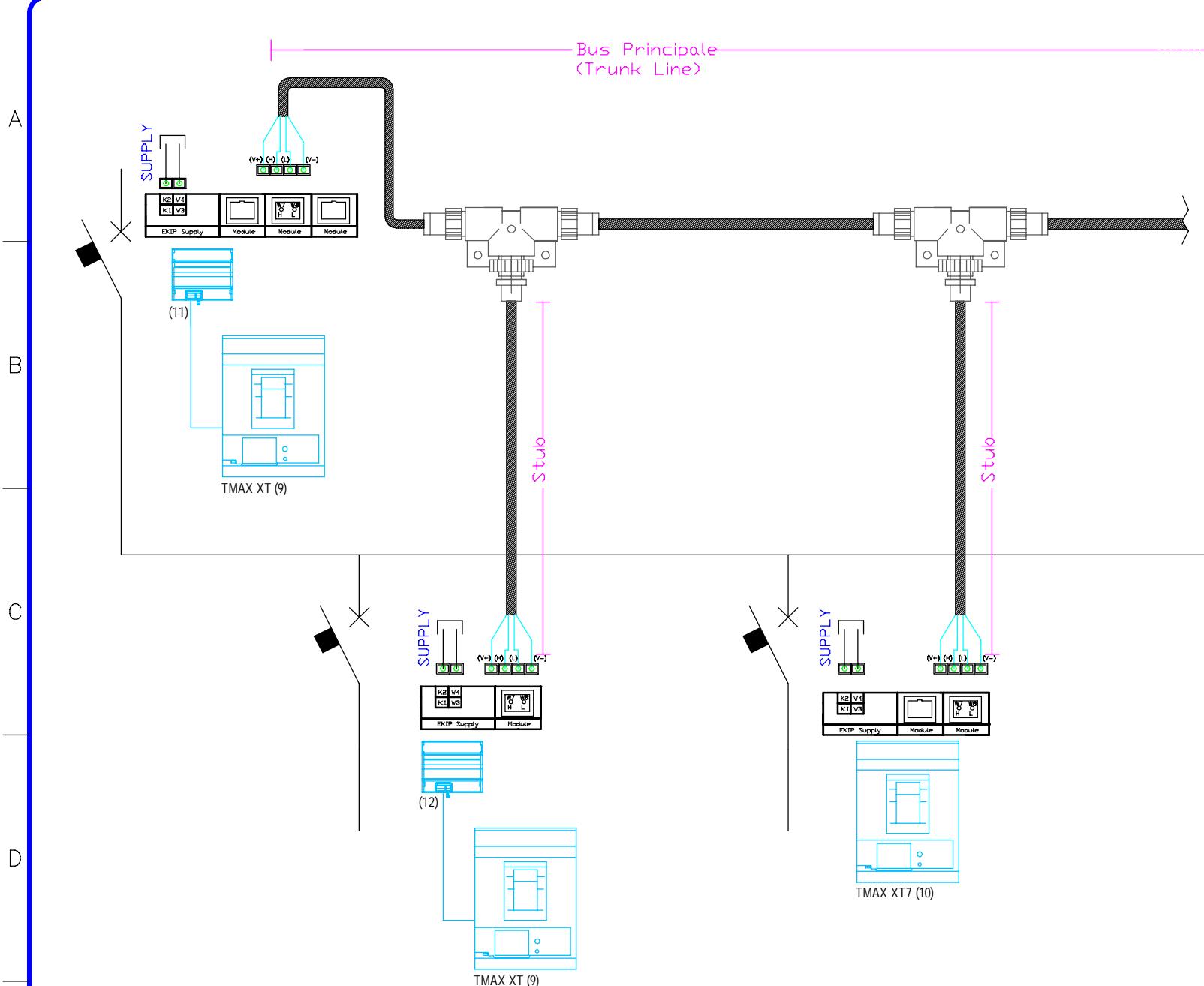


1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11



Bus Principale
(Trunk Line)

- NOTE:**
- 1) Use four-conductor shielded twisted pair cable suitable for CAN, diameter AWG 22. Recommended cable Belden 3084A (AWG 22). The 4 wires V+ (red), V- (black), CAN H (white) and CAN L (blue) must be connected to the terminals on Ekip Com DeviceNET as shown in the figure. The V+ and V- cables are used to check the presence of the auxiliary voltage.
 - 2) Stub cables for connection between devices and main bus shall not have length higher than 6 meters.
 - 3) See Table 2 for maximum length of main bus (Trunk Line).
 - 4) Cable line DeviceNet (Trunk Line) must be closed at its terminal points with terminating resistance 120 Ω hm.
 - 5) It is possible to connect a maximum number of 64 devices, including master and without repeaters, to a unique main bus.
 - 6) Devices connected to the same DeviceNet network shall have different address, see table 1 for addresses that can be used.
 - 7) EDS file (Ekip_COM_DeviceNet_02v01.eds) is available on ABB library in document "Communication System Interface".
 - 8) For more information see www.odva.org - www.can-cia.org

- <9> Tmax XT2, XT4 in one of the following configurations:
 - Ekip Touch or Touch Measuring or Ekip Hi-Touch+ Ekip Cartridge + Ekip Supply + Ekip Com DeviceNet
 - Ekip M Touch + Ekip Cartridge + Ekip Supply + Ekip Com DeviceNet
Tmax XT5 in one of the following configurations:
 - Ekip Touch or Touch Measuring or Ekip Hi-Touch+ Ekip Cartridge + Ekip Supply + Ekip Com DeviceNet
 - Ekip G Touch or G Hi-Touch Ekip Supply + Ekip Com DeviceNet
 - Ekip M Touch + Ekip Cartridge + Ekip Supply + Ekip Com DeviceNet
<10> Tmax XT7 in one of the following configurations:
 - Ekip Touch or Touch Measuring or Ekip Hi-Touch + Ekip Supply + Ekip Com DeviceNet
 - Ekip G Touch or G Hi-Touch + Ekip Supply + Ekip Com DeviceNet
 - Ekip M Touch + Ekip Supply + Ekip Com DeviceNet
<11> Ekip Cartridge version 4 Modules
<12> Ekip Cartridge version 2 Modules
<13> Connect the positive polarity supply cable to terminal K1 and the negative polarity supply cable to terminal K2

Module Ekip Supply		
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 Voltage	10 W max	10 VA/W max

Table 1 - Communication Parameters	
Protocol	DeviceNet
Baud Rate	125, 250, 500 kbit/s
Address	1 - 63



Communication System Interface

Table 2 - Maximum cables lenght			
Transmission speed [kbps]	Main Bus Maximum lenght (thin cable) [m]	Stub Maximum lenght [m]	Maximum total lenght stub [m]
125	100	6	156
250	100	6	78
500	100	6	39

1	FIRST RELEASE	GM	PS
EM. Issue	DESCRIZIONE - Description	COMPIL. Drawn up	VERIF. Chkd
			APPROV. App'd
			DATA Date
CODICE IDENTIFICATIVO Identification code COMM.-Job E C T N?			
9AKK107492A5504			
FOGLIO Sheet	001	EM. Issue	XX
TITOLO - Title			
CONNECTION SCHEME TMAX XT WITH DEVICENET			
IMPIANTO - Plant	DATA - Date	SCALA GRAFICA - Graphic scale	RIF. CUENTE - Client ref.
XXX	XXX	XXX	XXX