J9 RS232 Connection

J6,J7 CAN Connection

J5 Analog Inputs

J5 Digital Inputs

J8 STO

J5 Digital Outputs

J1 Logic Power Supply

J4 Secondary Feedback Connector

J3 Primary Feedback Connector

J3 Digital Hall Signals Input

J2 Motor Connector

J1 Motor Power Supply

120R 5%, 0.25W

CAN terminator (for the first and the last node of the network)

Can_Hi
Can_L0
GND

+5V$_{OUT}$
REF5 0÷5V
GND
REFSEL 0÷5V
100Ω÷1KΩ

+V$_{LOG}$
IN0
IN1
IN2/LSP
IN3/LSN
GND

PNP connection   NPN connection

STO1+
STO1-
STO2-
STO2+

18...40V
SELV/ PELV

LOAD OUT2/Error
0.5 A max
LOAD OUT3/Ready
0.5 A max
LOAD OUT0
2 A max
LOAD OUT1
0.5 A max

+V$_{LOG}$ or 36V max

Logic power supply
DC SELV/ PELV Power Supply
Isolated Transformer
9V/0.4A....36V/0.12A

232Tx
232Rx
GND
PC RS232

Enc A+
Enc A-
Enc B+
Enc B-
Enc Z+
Enc Z-
+5V
GND
SECOND DIGITAL ENCODER*

Enc A+
Enc A-
Enc B+
Enc B-
Enc Z+
Enc Z-
+5V
GND
DIGITAL ENCODER*

H1
H2
H3
+5V
GND
MOTOR HALL SIGNALS*

A
B
C
BLDC MOTOR*

CHOPPING RESISTOR
typ. 10Ω

Motor power supply
DC Power Supply
Isolated Transformer
11-80V, 10A$_{NOM}$

* THE DIGITAL INPUTS CAN BE CONFIGURED AS PNP/NPN TYPE IN SOFTWARE SETUP
* FOR ALL AVAILABLE OPTIONS CHECK THE USER MANUAL OF THE DRIVE

iPOS8010 BX-CAN

iPOS8010 BX-CAN - Electrical Connection Diagram
Title

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