

PN1
Front panel
LIGO
D1100890-v1

PN4
Rear panel
LIGO
D1100891-v1

PN7
Top panel
LIGO
D1100892-v1

PN9
Bottom panel
LIGO
D1100892-v1

PN11
Side panel
LIGO
D1100893-v1

PN13
Side panel
LIGO
D1100893-v1

PN14
LED Indicator, ON
Digi-Key
350-1892-ND

PN18
LED Indicator, 1

PN20
LED Indicator, 2

PN23
LED Indicator, 3
Digi-Key
350-1898-ND

PN26
DIN rail, 15"
Digi-Key
ADR3515-S1500-ND

PN2
Housing profile

PN3
Housing profile

PN5
Housing profile

PN6
Housing profile
Frontpanel Express
Housing profile 1, 75mm

PN8
Housing bracket
Frontpanel Express
Housing bracket 8 x per unit, natural anodized

PN10
Assembly kit
Frontpanel Express
Assembly kit IGP/B6.0-NI DIN 965, nickel-plated

PN12
Screw kit
Frontpanel Express
Screw packet M3x6-965-NI DIN 965, nickel-plated

PN15
Ring terminal, #10, AWG 16
Digi-Key
A27243-ND

PN19
On/Off switch

PN21
On/Off switch

PN24
On/Off switch
Digi-Key
CKN1066-ND

PN16
Power pin, AWG 16-20

PN17
Power pin, AWG 16-20
Digi-Key
626-1140-ND

PN22
Power socket, AWG 16-20
Digi-Key
626-1144-ND

PN25
D-sub shell, 3W3C
Digi-Key
626-1098-ND

PN27
Thermal breaker
Allied
677-0189

Use the hook-up wires from the EtherCAT chassis (D0902552-v3)

The ground/shield wire needs to be connected to the enclosure.

Wire the 24VDC input through the thermal switch.

Connect all EtherCAT couplers to 24VDC.

Safety output terminal (EL2904):

- Channel 1 to LED 1
- Channel 2 to LED 2
- Channel 3 to LED 3

Safety input terminals (EL1904):

- Terminal 1 (B8) Channel 1 to Switch 1
- Terminal 2 (B11) Channel 1 to Switch 2
- Terminal 3 (B14) Channel 1 to Switch 3

H1 Handle, 4.5"

H2 Handle, 4.5"

Mouser
534-481

H3 Ferrule, 0.25"

H4 Ferrule, 0.25"

H5 Ferrule, 0.25"

H6 Ferrule, 0.25"

Mouser
534-7163

M1 #8-32 1/2" flat

M2 #8-32 1/2" flat

M3 #8-32 1/2" flat

M4 #8-32 1/2" flat

McMaster-Carr
91099A265

H7 standoff, 25mm

H8 standoff, 25mm

H9 standoff, 25mm

Mouser
761-M1272-3005-SS

H10 standoff, 25mm

H11 standoff, 25mm

H12 standoff, 25mm

H13 standoff, 25mm

H14 standoff, 25mm

H15 standoff, 25mm

Mouser
728-FM2120-3005-SS

M5 #8-32 3/8" flat

M8 #8-32 3/8" flat

M11 #8-32 3/8" flat

M14 #8-32 3/8" flat

M17 #8-32 3/8" flat

McMaster-Carr
91099A260

M6 #8 nut

M9 #8 nut

M12 #8 nut

M15 #8 nut

M18 #8 nut

M7 #8 lock washer

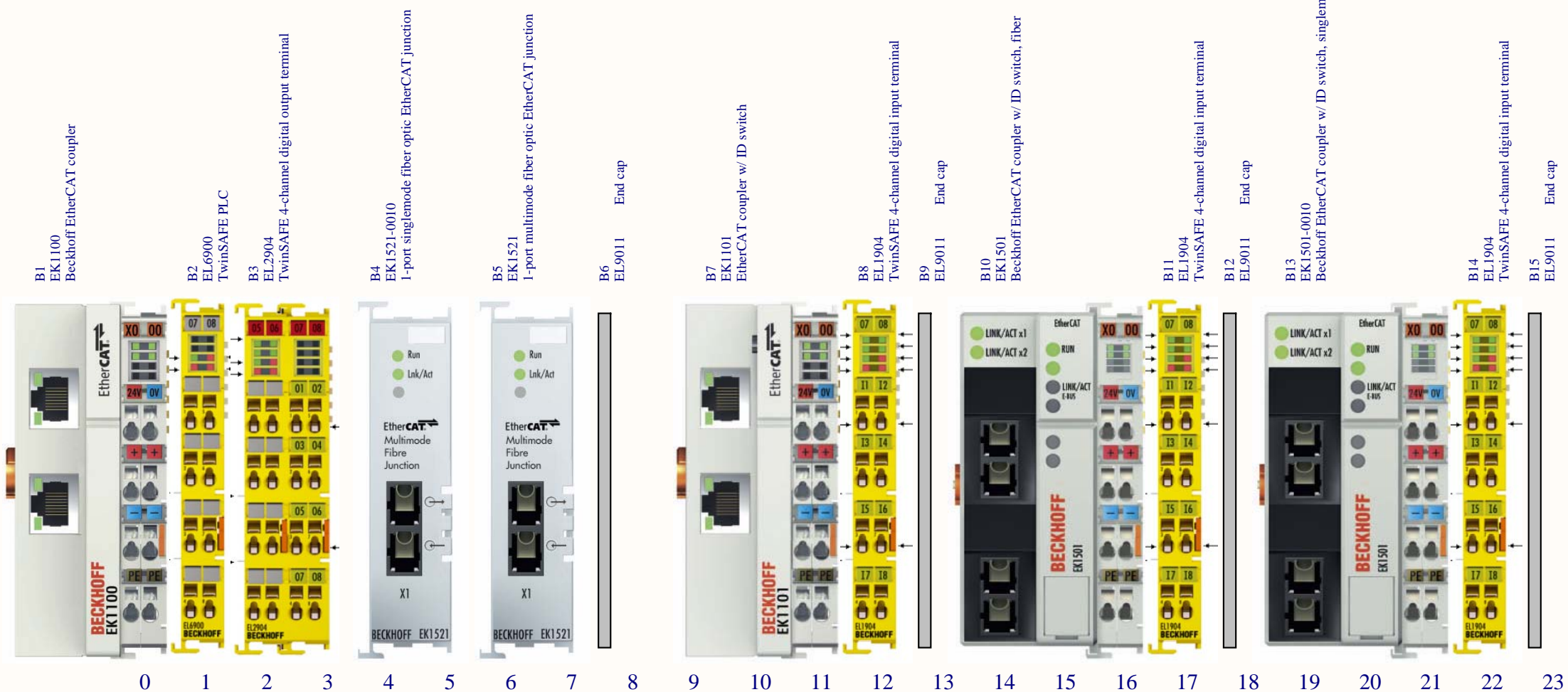
M10 #8 lock washer

M13 #8 lock washer

M16 #8 lock washer

M19 #8 lock washer

Title			EtherCAT Communication Tester		
Size	Number	Revision			
A	D1100884	1			
Date:	5/28/2011	Sheet 1 of 2			
File:	C:\Users\...\EtherCATTester1.SchDoc	Drawn By: Daniel Sigg			



Ebus 24V
 Power contacts 24V

from computer
 Test Out

SM to chassis
 MM from chassis

from chassis
 Test In

MM from chassis
 Test In

SM from chassis
 Test In

Power budget:
EL6900: 0.188 A
EL2904: 0.221 A
EL1521: 0.400 A
EL1521: 0.400 A

1.209 A

Power budget:
EL1904: 0.200 A

0.200 A

Power budget:
EL1904: 0.200 A

0.200 A

Power budget:
EL1904: 0.200 A

0.200 A

Title EtherCAT Communication Tester		
Size B	Number D1100884	Revision 1
Date: 5/28/2011	Sheet 2 of 2	
File: C:\Users\...\EtherCATTester2.SchDoc	Drawn By: Daniel Sigg	