DATALOGIC - CONTROL UNIT SG-BWS-T4-MT

SG-BWS-T4-MT
SG-BWS-T4-MT Safety Control Un

DATASENSING
easing automation challenges

- Up to four pairs of safe photocells and two pairs of light beam protectors
- Muting
- 2 NO secure outputs
- Removable coded terminals

PRODUCT DESCRIPTION

Control unit that up to four pairs of safety photocells can be connected to, as well as two external light beam protectors or other safety components with OSSD outputs.

There are two separate muting inputs which permit two different zones to be muted independently. An inbuilt override function allows the movement of goods that have fastened in the protective field. The control unit has two NO secure outputs. There is a 7 segment LED display for status and diagnostics on the front display.

SPECIFICATIONS

Approvals	CE, cULus, TÜV
Cable Length Max	50 m
Conforming To	EMC, LVD, MD
DC	99 %
IP Class	IP20
Material of body	Nylon
Mttfd	183 year
Output current max	3,6 A
PL	e (EN ISO 13849-1)
Power Consumption	3,8 W max
Power Consumption	3,8 W
SIL	3 (EN IEC 62061)

Supply voltage	24 V DC
T1 (Life Time In Years)	20
Temperature range bearing, from	-25 °C
Temperature range bearing, to	70 °C
Temperature range from	0 °C
Temperature range to	55 °C
Weight	370 g
Voltage Tolerance	±15 %
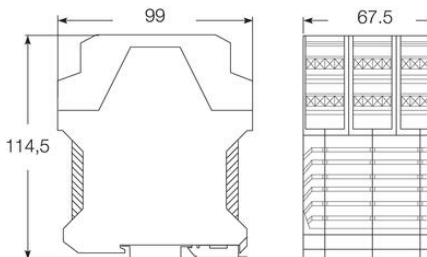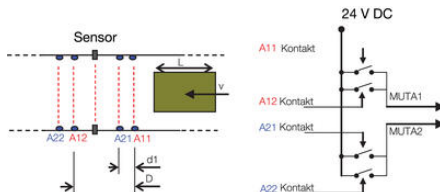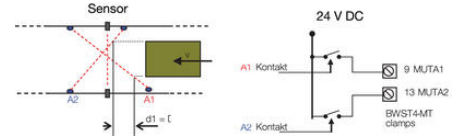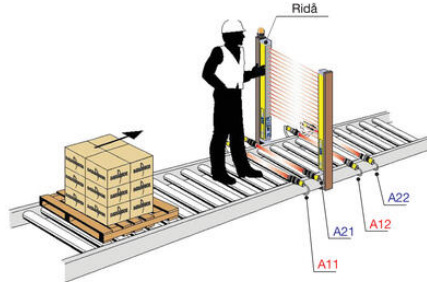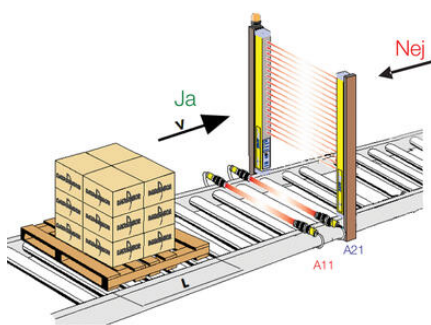
DIP	PURPOSE	OFF (Default)	ON
1	ENABLE EDM	ENABLED	DISABLED
2	RESET MODE	AUTOMATIC	MANUAL
3	MUTING TIME -OUT	10 MINUTES	INFINITY
4	MUTING DIRECTION	T	L
5	TRIGGER OVERRIDE	LEVEL	FRONT
6	MUTING SELECTION		
7	MUTING SELECTION	See table below	
8	MUTING SELECTION		

DIP-SWITCH SETUP	PHOTOCELLS	LIGHT CURTAIN 1	LIGHT CURTAIN 2
000	A	A	A
001	A	A	B
010	A	B	B
011	-	A	B
100	A	B	-
101	-	A	A
110	A	-	-
111	-	-	-

0=OFF, 1=ON, A(B) =Device associated to channel A(B)
Default setting: 000
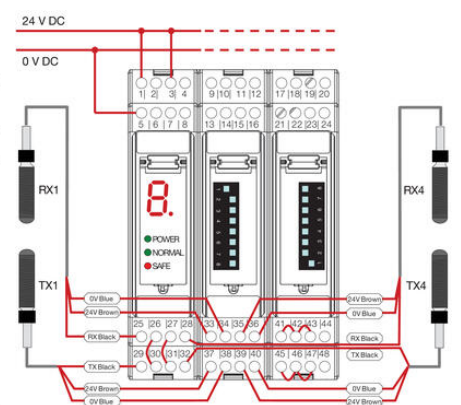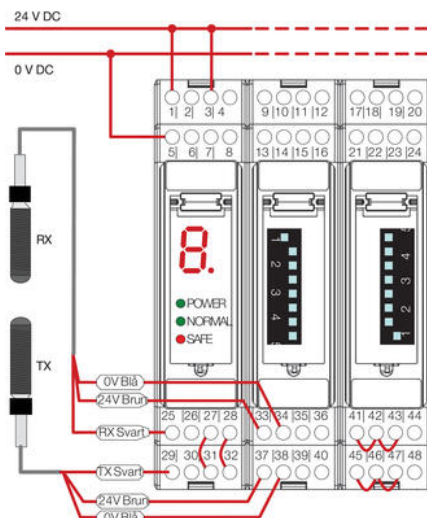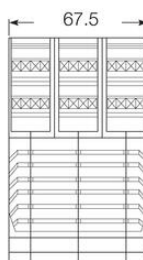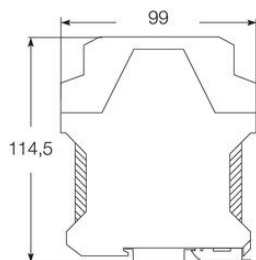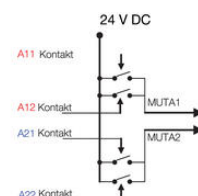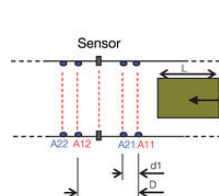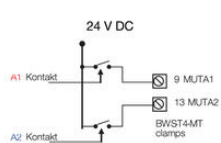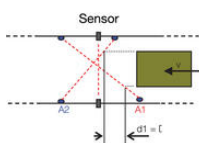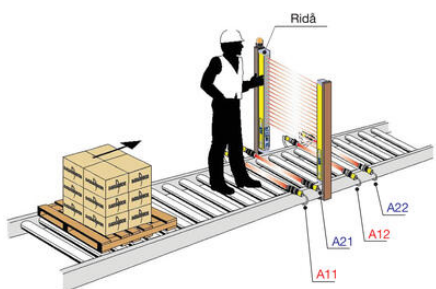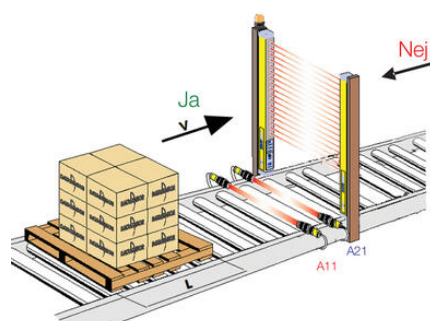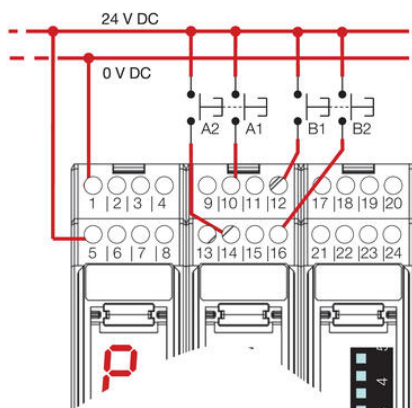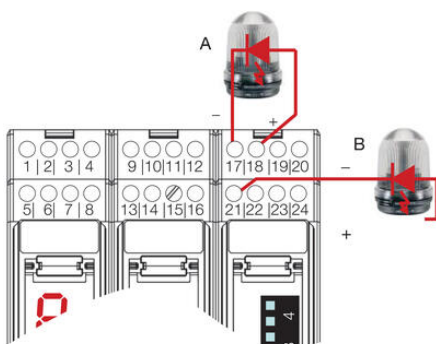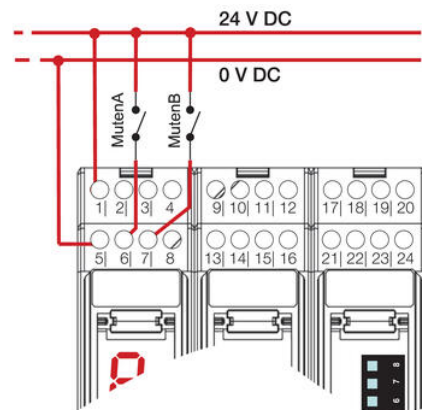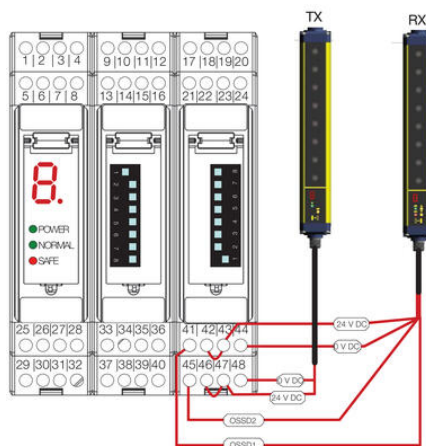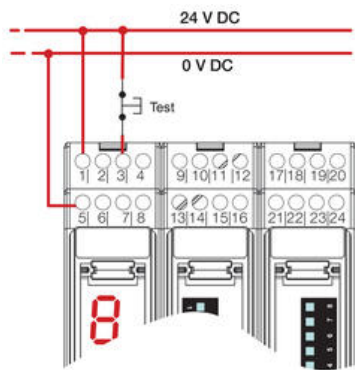
POWER
NORMAL
SAFE

TX RX

24 V DC
0 V DC
0 V DC
24 V DC
OSSD2
OSSD1

MutenA MutenB
24 V DC
0 V DC

A
B

A2 A1 B1 B2
24 V DC
0 V DC

Ja Nej
A11 A21

Ridå
A22
A21 A12
A11

Sensor
A2 A1
d1 = 0

A1 Kontakt
A2 Kontakt
24 V DC
9 MUTA1
13 MUTA2
BWST4-MT clamps

Sensor
A22 A12 A21 A11
d1
D

A11 Kontakt
A12 Kontakt
A21 Kontakt
A22 Kontakt
24 V DC
MUTA1
MUTA2

99
114,5
67.5

ON

DIP	PURPOSE	OFF (Default)	ON
1	ENABLE EDM	ENABLED	DISABLED
2	RESET MODE	AUTOMATIC	MANUAL
3	MUTING TIME -OUT	10 MINUTES	INFINITY
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111		-	-	-
0=OFF, 1=0N, A(B) =Device associated to channel A(B)				
Default setting: 000				

24 V DC
0 V DC

POWER
NORMAL
SAFE

RX
TX

0V Blå
24V Brun
RX Svart
TX Svart
24V Brun
0V Blå

24 V DC
0 V DC

POWER
NORMAL
SAFE

RX1
TX1
RX4
TX4

0V Blue
24V Brown
RX Black
TX Black
24V Brown
0V Blue

24V Brown
0V Blue
RX Black
TX Black
24V Brown
0V Blue

24 V DC
0 V DC
Test

POWER
NORMAL
SAFE

TX   RX

24 V DC
0 V DC

24 V DC
0 V DC

MutenA   MutenB

A
B
−
+
−
+

24 V DC
0 V DC

A2   A1   B1   B2