OEM Automatic Ltd
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GELBAU - CONTROL UNIT 452.4/462.4

3004.5246
Resistance Evaluator Cat3. 1 Input,2x NO,1x CO Cont. 24Vdc



- 2 NO+1 CO output
- Safety category 3 in accordance with EN954-1
- Automatic or manual reset
- Available with variable supply voltage

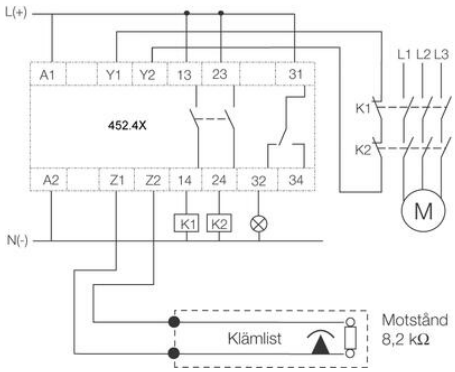
PRODUCT DESCRIPTION

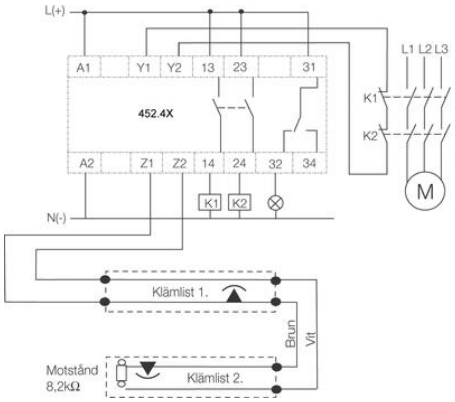
Compact control unit with only 22.5 mm enclosure for the monitoring of sensing strips in dangerous applications. It is also suitable for use on motorised gates which, in line with the standard, must have relays conforming to safety category 3. A low current is transmitted from the control unit connectors (Z1 and Z2) through the sensing strip, and a closed circuit is formed via a resistor (8.2 kΩ). The control units outputs cut the power if anyone/anything presses the sensing strip and also following a short-circuit or open circuit.

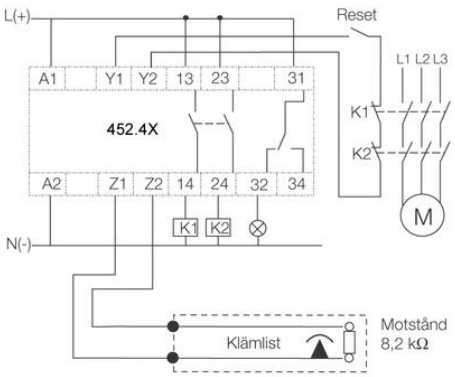
TECHNICAL DATA

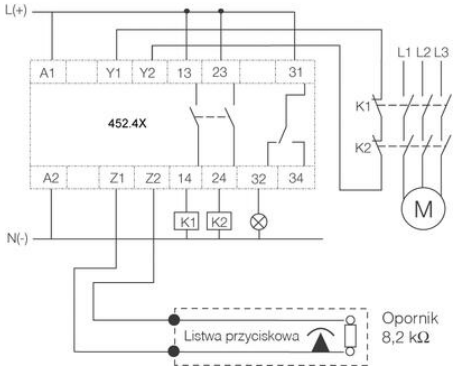
Approvals	CE, TÜV NORD
Cable length to clip list max	50 m (min. 0,5 m2)
Contact current max	4 A AC/DC
Contact voltage max	250 V AC/24 V DC
Disconnection	15 ms
Fuse output	4 A
In compliance with	EMC, LVD, MD
IP class connection	IP20
IP class of housing	IP40
Mounting	DIN rail
PL	e enl. SS-EN ISO 13849-1:2008
Power consumption	3 W
Supply voltage	24 V DC

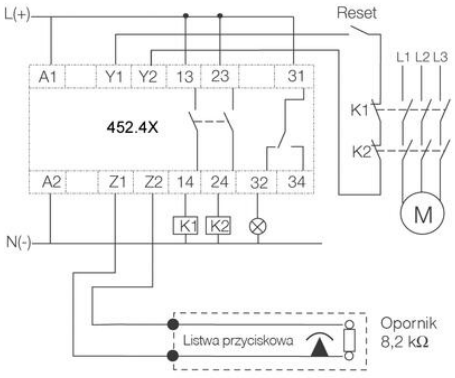
Temperature ambient from	-20 °C
Temperature ambient to	55 °C
Terminal strip length max	100 m
Tolerance max	10 %
Tolerance min	-15 %

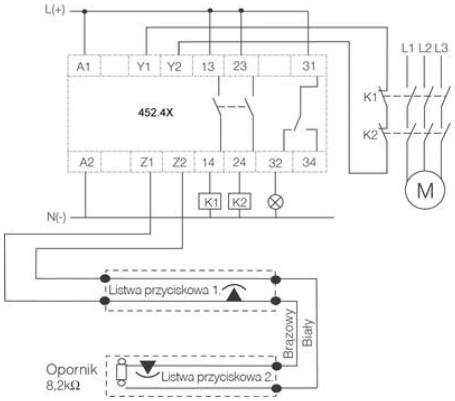


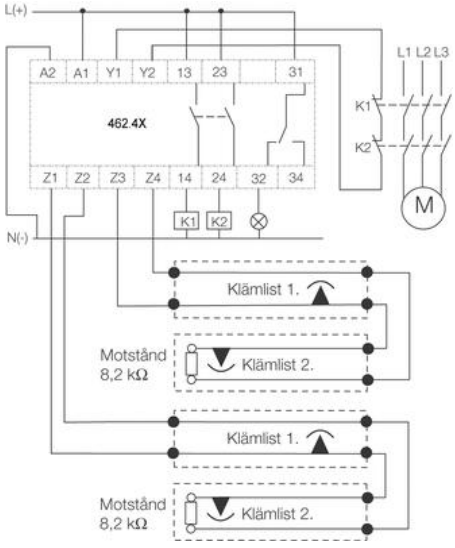


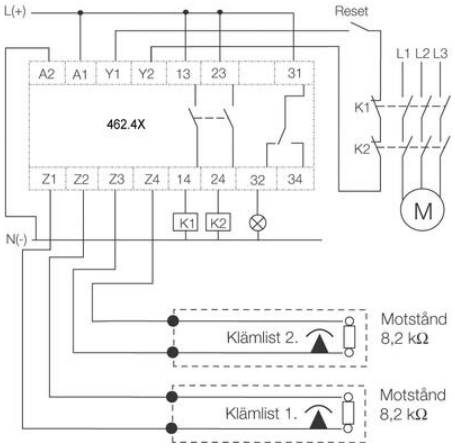


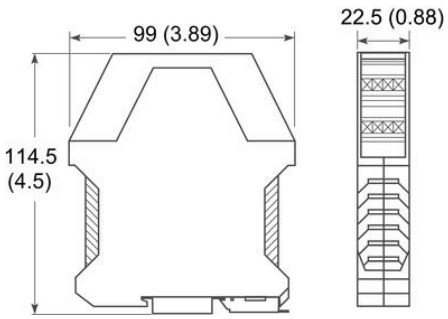


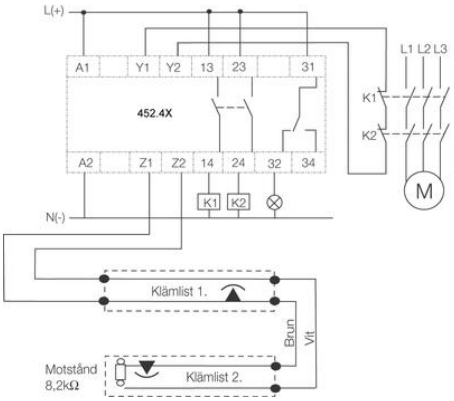


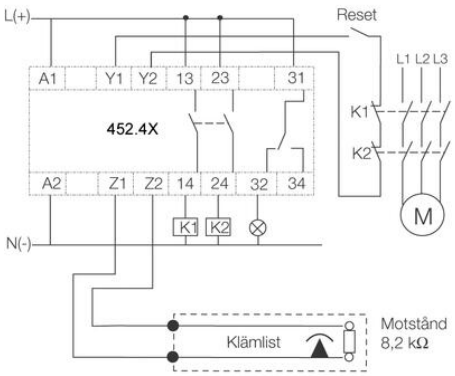


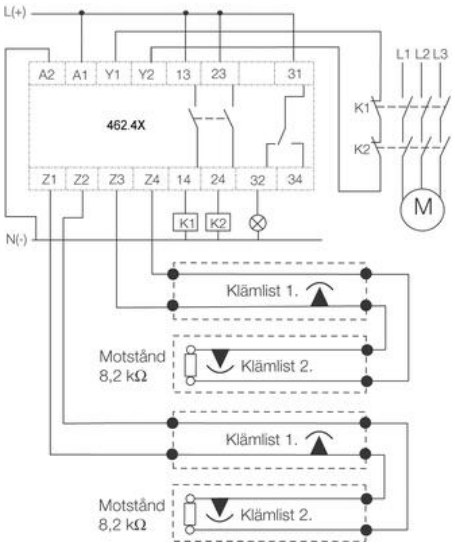


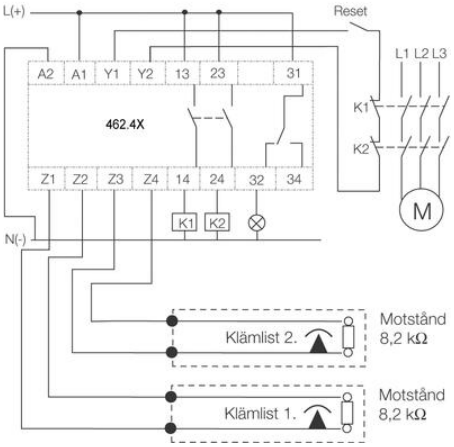


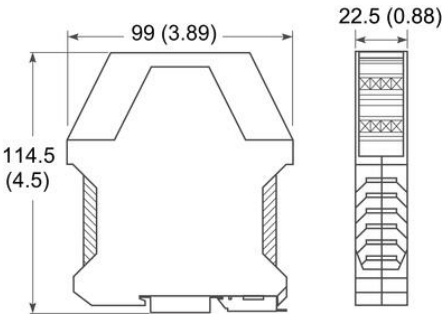



L(+)
A1 Y1 Y2 13 23 31
452.4X
A2 Z1 Z2 14 24 32 34
K1 K2
L1 L2 L3
K1
K2
M
N(-)
Klämlist 1.
Brun
Vit
Motstånd
8,2kΩ
Klämlist 2.


L(+)
Reset
A1 Y1 Y2 13 23 31
452.4X
A2 Z1 Z2 14 24 32 34
K1 K2
L1 L2 L3
K1
K2
M
N(-)
Klämlist
Motstånd
8,2 kΩ


L(+)
A2 A1 Y1 Y2 13 23 31
462.4X
Z1 Z2 Z3 Z4 14 24 32 34
K1 K2
L1 L2 L3
K1
K2
M
N(-)
Klämlist 1.
Motstånd
8,2 kΩ
Klämlist 2.
Klämlist 1.
Motstånd
8,2 kΩ
Klämlist 2.


L(+)
Reset
A2 A1 Y1 Y2 13 23 31
462.4X
Z1 Z2 Z3 Z4 14 24 32 34
K1 K2
L1 L2 L3
K1
K2
M
N(-)
Klämlist 2.
Motstånd
8,2 kΩ
Klämlist 1.
Motstånd
8,2 kΩ


99 (3.89)
114.5
(4.5)
22.5 (0.88)