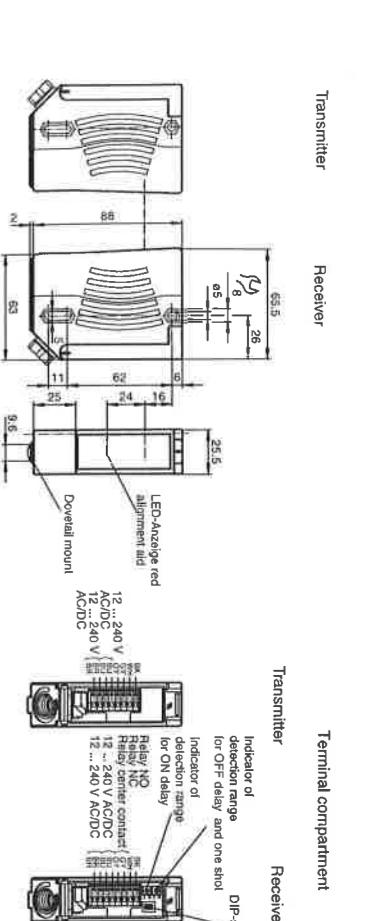


Abmessungen: Dimensions:



alle Maße in mm
All dimensions are in mm
Tous les dimensions sont en mm

LED indicator: switching state
Light/dark switch
LED indicator: switching state
Sensitivity adjuster

Deutsch

Sicherheitshinweise:

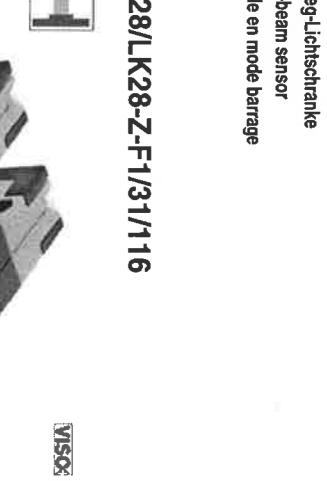
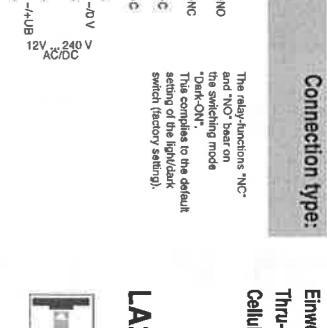
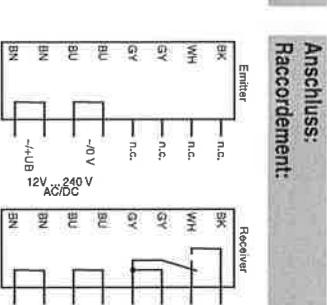
- Vor der Inbetriebnahme Betriebsanleitung lesen
- Anschluss, Montage und Einstellung nur durch Fachpersonal
- Kein Sicherheitsbauteil gemäß EU-Maschinenrichtlinie, darf nicht für Personen-Schutz oder NOT-AUS-Funktion verwendet werden.

English

Security instructions:

- Read the operating instructions before attempting commissioning
- Installation, connection and adjustments should only be undertaken by specialist personnel
- No safety component for protection of personnel or EMERGENCY-STOP functions.

Dimensions: Raccordement:



Connection type: Connexion type:

Einweg-Lichtschranke
Thru-beam sensor
Cellule en mode barrage

The relay-functions "NO" and "NC" bear on the switching mode "Dark-On". That corresponds to the default setting of the light/dark switch (factory setting).

LA28/LK28-Z-F1/31/116

Doc. No.: 45-1379E

Date: 01/21/2011

Dimensions: Dimensions:

Abmessungen: Dimensions:

Français

Remarque de sécurité:

- Lire le mode d'emploi avant la mise en service.
- Le raccordement, le montage et le réglage doivent exclusivement être réalisés par des personnes qualifiées.
- Pas d'agrément selon la directive européenne sur les machines, par conséquent non autorisé pour la protection des personnes ou une fonction d'arrêt d'urgence.

Technische Daten

Sicherheitshinweise:

- Vor der Inbetriebnahme Betriebsanleitung lesen
- Anschluss, Montage und Einstellung nur durch Fachpersonal
- Kein Sicherheitsbauteil gemäß EU-Maschinenrichtlinie, darf nicht für Personen-Schutz oder NOT-AUS-Funktion verwendet werden.

English

Security instructions:

- Read the operating instructions before attempting commissioning
- Installation, connection and adjustments should only be undertaken by specialist personnel
- No safety component for protection of personnel or EMERGENCY-STOP functions.

Technical data

System components

Emitter	LA28-F1/116
Receiver	LK28-Z-F1/31/116

General specifications

Effective detection range	0 ... 65 m
Threshold detection range	90 m
Light source	LED

Light type

LED red (in receiver lens)
illuminated constantly; beam is interrupted, flashes; reaching switching point, off; sufficient stability control

Transmitter frequency approx. 1.3 m at 65 m
Diameter of the light spot approx. 1.3 m at 65 m

Angle of divergence Emitter 1.2°, Receiver 5°

Ambient light limit 5000 Lux

Functional safety related parameters

MTTF_d 490 a
Mission Time T_M 20 a
Diagnostic Coverage (DC) 0 %

Indicators/operating means

Operating display LED green
Function display LED yellow:
1. LED off: signal > 2 x switching point (function reserve)
2. LED constant: Signal between 1 x switching point and 2 x switching point
3. LED blinks: Signal < switching point

Electrical specifications

Operating voltage U_B 12 ... 240 V AC/DC
Power consumption P₀ ≤ 3.5 VA

Output

Switching type light/dark on, switchable, (selectable, light/dark switching is only activated if the receiver has "dark on" selected.)
Signal output Relay, 1 alternator
Switching voltage max. 250 V AC/DC
Switching current max. 2 A
Switch power DC: max. 50 W AC: max. 500 VA

Controls

Response time 25 Hz
Timer function 20 ms
ON delay (GAN), OFF delay (GAB), programmable adjustment range 0.1 ... 10 s

Ambient conditions

Ambient temperature -40 ... 60 °C (-40 ... 140 °F)

Storage temperature

-40 ... 75 °C (-40 ... 167 °F)

Mechanical specifications

Protection degree IP67
Connection terminal compartment with 8 spring-loaded terminals for wire cross section 0.5 ... 1.5 mm², insulation stripping 7.5 ... 8.5 mm, M16 x 1.5 cable gland

Material

Housing Plastic ABS
Optical face Plastic pane
Mass 200 g (emitter and receiver)

Compliance with standards and directives

Directive conformity Low Voltage Directive 2006/95/EC
EMC Directive 2004/108/EC
Standard conformity EN 60947-5-2:2007
Product standard IEC 60947-5-2:2007

Approvals and certificates

Schutzklasse II, Bemessungsspannung ≤ 250 V AC bei Verschmutzungsgrad 1-2 nach IEC 60664-1 Ausgangsspannung basisisoliert vom Eingangskreis nach EN 50178, Bemessungsspannung ≤ 250 V AC Achse 1
Die Schutzklasse 2 ist nur gültig bei geschlossenem Klemmraum.
UL-Zulassung cULus Listed, Class 2 Power Source
CCC-Zulassung Certified by China Compulsory Certification (CCC), CCC approval
Certified by China Compulsory Certification (CCC)

