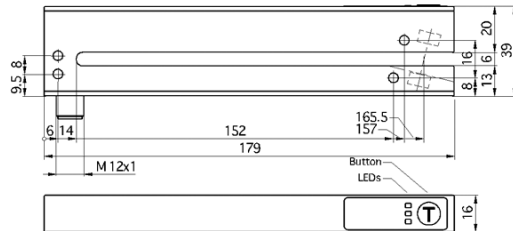


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scale drawing



detection zone



1 x Push-Pull + 1 x pnp

working range

sheeting with weights of $< 20 \text{ g/m}^2$ up to $\gg 400 \text{ g/m}^2$, metal-laminated sheets and films up to 0.2 mm thick, self-adhesive films, labels on backing material

design

fork-like

operating mode

label/splice detection

ultrasonic -specific

means of measurement

pulse operation with amplitude evaluation

transducer frequency

500 kHz

electrical data

operating voltage U_B

20 - 30 V d.c., reverse polarity protection

Leerlaufstromaufnahme

$\leq 50 \text{ mA}$

type of connection

5-pin M12 initiator plug

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outputs

output 1	Schaltausgang Push-Pull, $U_B-3\text{ V}$, $-U_B+3\text{ V}$, $I_{\text{max}} = 100\text{ mA}$
output 2	switching output pnp: $I_{\text{max}} = 200\text{ mA}$ ($U_B-2\text{ V}$) NOC/NCC adjustable, short-circuit-proof
response time	300 μs up to 2,25 ms, dependent on the material
delay prior to availability	< 300 ms

housing

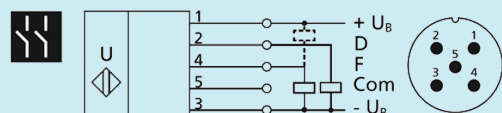
fork width	6 mm
fork depth	149,5 mm
material	aluminium anodized
ultrasonic transducer	polyurethane foam, epoxy resin with glass contents
class of protection to EN 60529	IP 65
operating temperature	+5°C to +60°C
storage temperature	-40°C to +85°C
weight	90 g

technical features/characteristics

controls	1 Taster Com-Eingang
scope for settings	Teach-in via push-button Teach-in via com input on pin 5 LCA-2 with LinkControl
indicators	1 x LED green: working, 1 x LED yellow: label/splice detected, 1 x LED red: web break

documentation (download)

pin assignment



order no.

esf-1/15/CDF