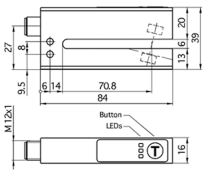
esf-1/CDF

scale drawing



detection zone

1 x Push-Pull + 1 x pnp

working range	sheeting with weights of < 20 g/m² up to >> 400 g/m², 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	≤ 50 mA
type of connection	5-pin M12 initiator plug

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outputs	
output 1	Schaltausgang Push-Pull, U_B-3 V, -U_B+3 V,I_{max} = 100 mA
output 2	switching output pnp: I_{max} = 200 mA (U_B-2V) 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

inputs	
input 1	com input synchronisation input

housing	
fork width	6 mm
fork depth	67 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
further versions	larger fork width/depth
further versions	esf-1/15/CDF

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

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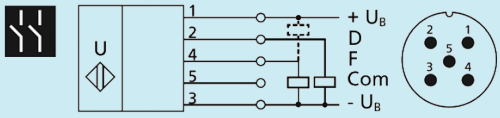
documentation (download)

pin assignment



order no.	**esf-1/CDF**