

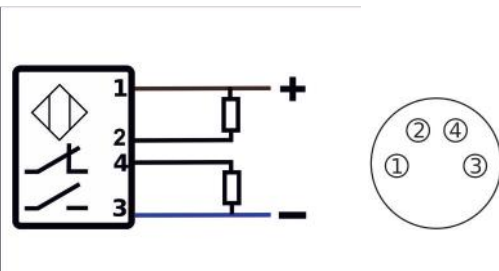
Etikettenabstand label distance	2 mm
Empfindlichkeit sensitivity	einstellbar adjustable
Eigenstromaufnahme intern. power consumpt.	<25 mA
Spannungsabfall voltage drop	<2.5 V
Temperaturdrift temperature drift	<10%
Umgebungstemperatur ambient temperature	-10°C... +60°C
Schutzart protection class	IP 67
Reproduzierbarkeit reproducibility	<0.01 mm
Betriebsspannung operating voltage	10...30 VDC
Gehäusewerkstoff housing material	Aluminium schwarz eloxiert aluminium black anodized
max. Laststrom max. load current	100 mA / kurzschlussfest short-circuit proof
Isolationsspannung insulation voltage	500 V
Schalthyserese switching hysteresis	<0.2 mm
Schaltfrequenz switching frequency	5 kHz

### Ausgang output

PNP/NPN - NO/NC

### Artikelbezeichnung / type

KES 07 PNUK-ST3



Der kapazitive Etikettensensor erkennt zuverlässig, transparente und nicht transparente Etiketten.

Die Erkennung funktioniert in 2 Richtungen ab einer Spaltbreite von 2mm, der Ausgang ist in PNP/NPN sowie NO/NC vorhanden.

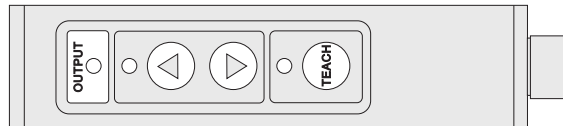
Die Empfindlichkeit kann ebenfalls eingestellt werden.

The label sensor is capable to detect both, transparent as well as non-transparent labels.

Sensing ist possible in two directions starting with a gap width of 2mm, the output is available PNP/ NPN, NO and NC.

Sensitivity is adjustable.

### SETTING



#### Auto setting

STEP 1



STEP 2

Press button for 3 sec. to reset the sensor  
LED flashes and then starts constant lightning

Press both keys for 6 sec. to enter setting mode.  
Sensitivity LED flashes, then auto setting mode may be started by positioning the label into the slot and move it forward and backwards (at least 5 gaps). When the LED starts constant lightning, setting is done.  
PS. During the setting, labels can't be removed from slot of sensor.

#### Manual setting

SENSITIVITY

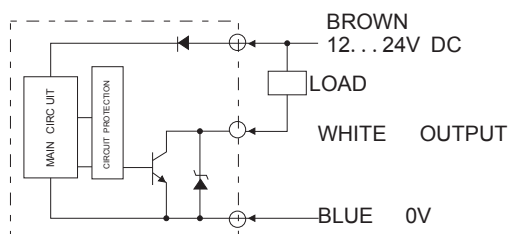
and Manual sensitivity micro adjustment.  
Press one of both for 2sec. LED of sensitivity flashes to increase or decrease.  
1) No flash means max. sensitivity is already set.

NO/NC

Press more than 6sec. to switch Normally open or Normally closed.  
1) When LED flashes release the key.  
2) Before setting remove labels.

### WIRING DIAGRAM

#### NPN



#### PNP

