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TECHNOLOGY GROUP

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Artisan Technology Group
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NT 6
Contrast Control Scanner
Tetra Pak

Scanning distance

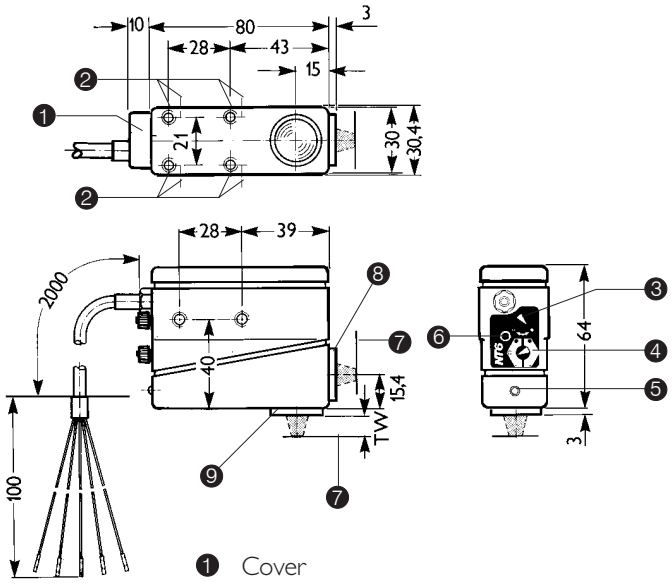
9 mm



Features:

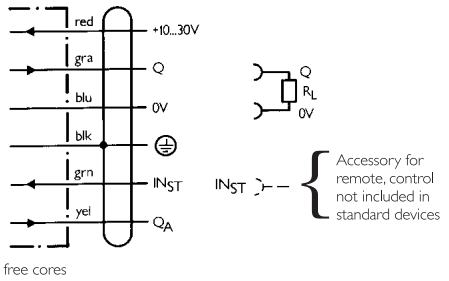
- Changeable lens position
- Supply voltage reverse-polarity protected
- Immune to ambient light sources (HF lamps, warning flash lights)
- Light- or dark-switching, switch-selectable
- Status indicator
- Switching frequency up to 10,000/s
- Short response time
- All seals made of silicon
- All screws rustfree
- The cap of indicator LED and the gauge glass of the desiccant are made of quartz glass

NT 6



1. Cover
2. Mounting holes M5-5,5 mm deep
3. Sensitivity control
4. Mode selector
5. Status indicator
6. Quick-release fastener
7. Scanning plane (according to lens position))
8. Desiccant capsule } interchangeable
9. Objective lens } interchangeable

Connection diagram



red	gra	blu	blk	grn	yel
red	gray	blue	black	green	yellow

NT 6
Contrast Control Scanner
Tetra Pak

Type NT 6	14 900 S12	14 920 S17	14 920 S29
Order No.	1 009 706	1 010 615	1 014 054
Scanning distance	9 mm		
Lichtfleck-Abmessung	1.5 x 4 mm^2 (at 9 mm)		
Supply voltage V_S	10 to 30 V DC [1]		
Current consumption (no load)	≤ 80 mA		
Ripple [2]	≤ 5 V_{PP}		
Light source	LED, average service life 100 000 h [3]		
Light wavelength	2 x 650 nm (red), switch-selectable		
Modulation frequency	approx. 200,000/s		
Light spot orientation	lengthwise to short side of device		
Light receiver			
Wavelength	450 to 750 nm (visible light)		
Switching output	light- or dark-switching, switch-selectable		
Type	PNP		
Output voltage HIGH	V_S – ≤ 2 V		
Output voltage LOW	0 V		
Output current max.	200 mA		
Pull-up/pull-down resistance	22 kΩ		
Respose time max./switching frequency max. [4]	50 µs; 10 000/s		
Analog output (Ri = 10 kΩ)	approx. 0.15 to approx. 6 V (no reflection to total reflection)		
Enclosure rating	IP 67		
Ambient operating temperature T_A [5]	0 to + 50 °C		
Storage temperature T_S [5]	– 25 to + 75 °C		
Connecting cable	5 x 0.34 mm^2, shielded, Teflon		
Length of connecting cable	4 m	5 m	7 m
Housing material	Stainless steel	Pressure casting housing made of metal and coated with polyamide	
Weight	approx. 910 g	approx. 821 g	approx. 924 g
Desiccant, Order No.	2 011 548	2 007 659	2 065 513

1) Limit values; reverse-polarity protected
2) Must be within V_S tolerances
3) At room temperature = + 25 °C
4) With light/dark ratio 1 : 1, no time delay
5) Do not distort cable below 0 °C

SICK

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

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