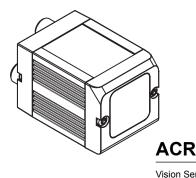
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ACR300i	Installation	auide

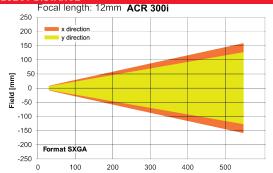


ACR 30

Vision Sensor

TECHNICAL DATA		
Electrical data		
Operating voltage U _R	24 V DC, -25 % / +10 %	
Residual ripple	< 5 Vss	
Current consumption (no I/O)	≤ 200 mA	
All inputs	2 pcs, PNP / NPN High > UB - 1 V, Low < 3 V	
Input resistance	> 20 kOhm	
Encoder input	High > 4 V	
Outputs	4 pcs, PNP / NPN	
Inputs / Outputs selectable	4 pcs	
Maximum output current (per output)	50 mA, Ejector (Pin 12 / RDBU) 100 mA	
Short-circuit protection (all outputs)	Yes	
Inductive load	Typ.: Relais 17 K / 2 H, Pneumatic valve 1.4 K / 190 mH	
Reverse-polarity protection, U _B	Yes	
Interfaces VISOR®	Ethernet (LAN), RS422 / RS232, depends on model	
Power-on Delay	Typ. 13 s after Power on	
Optical data		
Number of pixels, chip size, pixel size	ACR 300i:1280 (H) x 1024 (V), 1/1.8", 5,3 µm square	
Technology	CMOS (mono / colour)	
Integrated scan illumination	8 LEDs (except C-Mount) White, Red (620 nm), IR (850 nm)	
Integrated lens, focal length	12 mm, focal position adjustable	
Lens (adjustable to infinity)	ACR 300i, 12 mm	
Min. scan distance [mm]	30	
Min. field of view X x Y [mm]	16 x 13	
Mechanical data		
Length x width x height	65 mm x 45 mm x 45 mm (without plug)	
Weight	Approx 160 g	
Vibration / shock	EN 60947-5-2	
Ambient operating temperature	0 °C 50 °C (80 % air humidity, noncondensing)	
Storage temperature	-20 °C 60 °C (80 % air humidity, noncondensing)	
Enclosure rating	IP 65/67	
Plug connection	24V DC and I/O: M12 12-pin; LAN: M12 4-pin; Data: M12 5-pin	
Housing material	Aluminium, plastic	

FIELD OF VIEW / OBJECT DISTANCE



to manufacturers information. The device shall be supplied from a class 2 rated power supply.

SAFETY INSTRUCTIONS

CUL US

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INTENDED USE

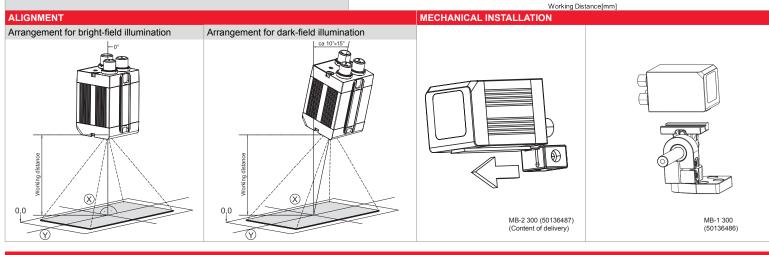
Sensor is used for the optical, non-contact detection of objects. **COMPONENTS SUPPLIED**

ACR 300i Vision Sensor, CD with PC software, installation guide, mounting clamp (MB-2 300), allen key, screwdriver, and protective cap for Ethernet plug.

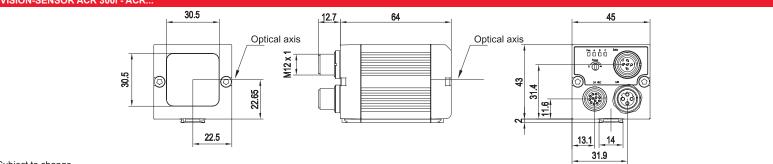
Read operating instructions before start-up. Connection, assembly, setting and

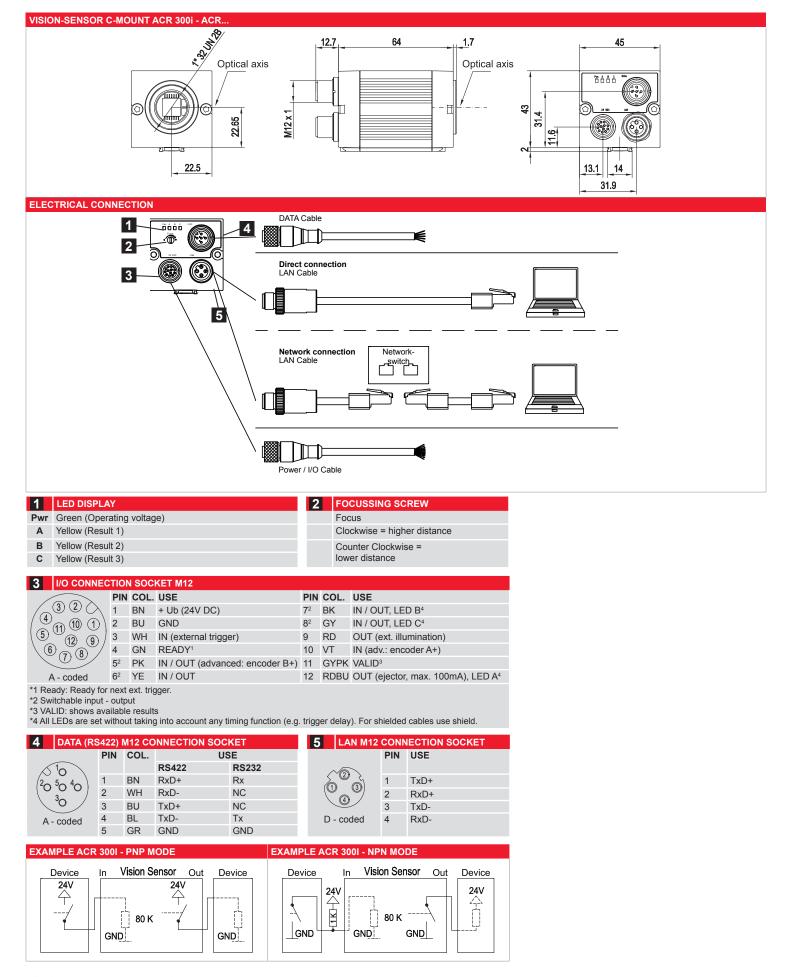
start-up only by trained personnel. No safety component according to EU machinery directives (not suited for the protection of personnel). Not for outdoor use.

Adapters providing field wiring means are available from the manufacturer. Refer



VISION-SENSOR ACR 300i - ACR ...





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