



OBT200-18GM70-E5-10M

Reflection light scanner

OBT200-18GM70-E5-10M

with fixed cable

CE

- ◆ Protection degree IP67
- ◆ Light/dark ON, programmable



Release date: 2004-07-20 09:39 Date of issue: 2005-07-26 08:9934_ENG.xml

General specifications

Detection range	0 ... 200 mm
Light source	LED
Approvals	CE
Adjustment range	5 ... 200 mm
Reference target	standard white 200 mm x 200 mm
Light type	infrared, modulated light
Ambient light limit	10000 Lux

Indicators/operating means

Function display	LED yellow: switching state
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Electrical specifications

Operating voltage	10 ... 30 V DC
Ripple	10 %
No-load supply current I_0	≤ 20 mA
Time delay before availability t_v	≤ 50 ms

Output

Switching type	Light/dark ON, programmable
Signal output	1 switch output pnp
Switching voltage	max. 30 V DC
Switching current	max. 100 mA
Voltage drop U_d	≤ 2.5 V
Switching frequency f	≤ 300 Hz
Switch-on delay t_{on}	1.5 ms
Response time	≤ 1.5 ms

Standard conformity

Standards	EN 60947-5-2
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Ambient conditions

Ambient temperature	-25 ... 55 °C (248 ... 328 K)
Storage temperature	-40 ... 70 °C (233 ... 343 K)

Mechanical specifications

Protection degree	IP67
Connection	10 m cable, 3 x 0.34 mm ² , PVC
Material	
Housing	brass, nickel-plated
Optical face	PC
Mass	15 g

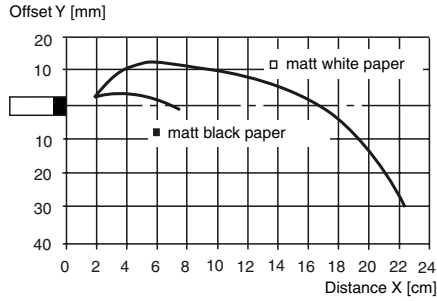
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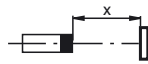
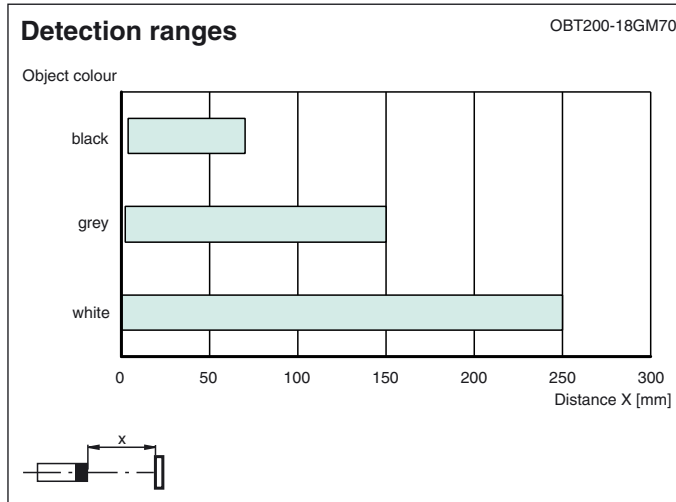
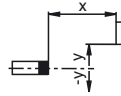
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Curves/Diagrams

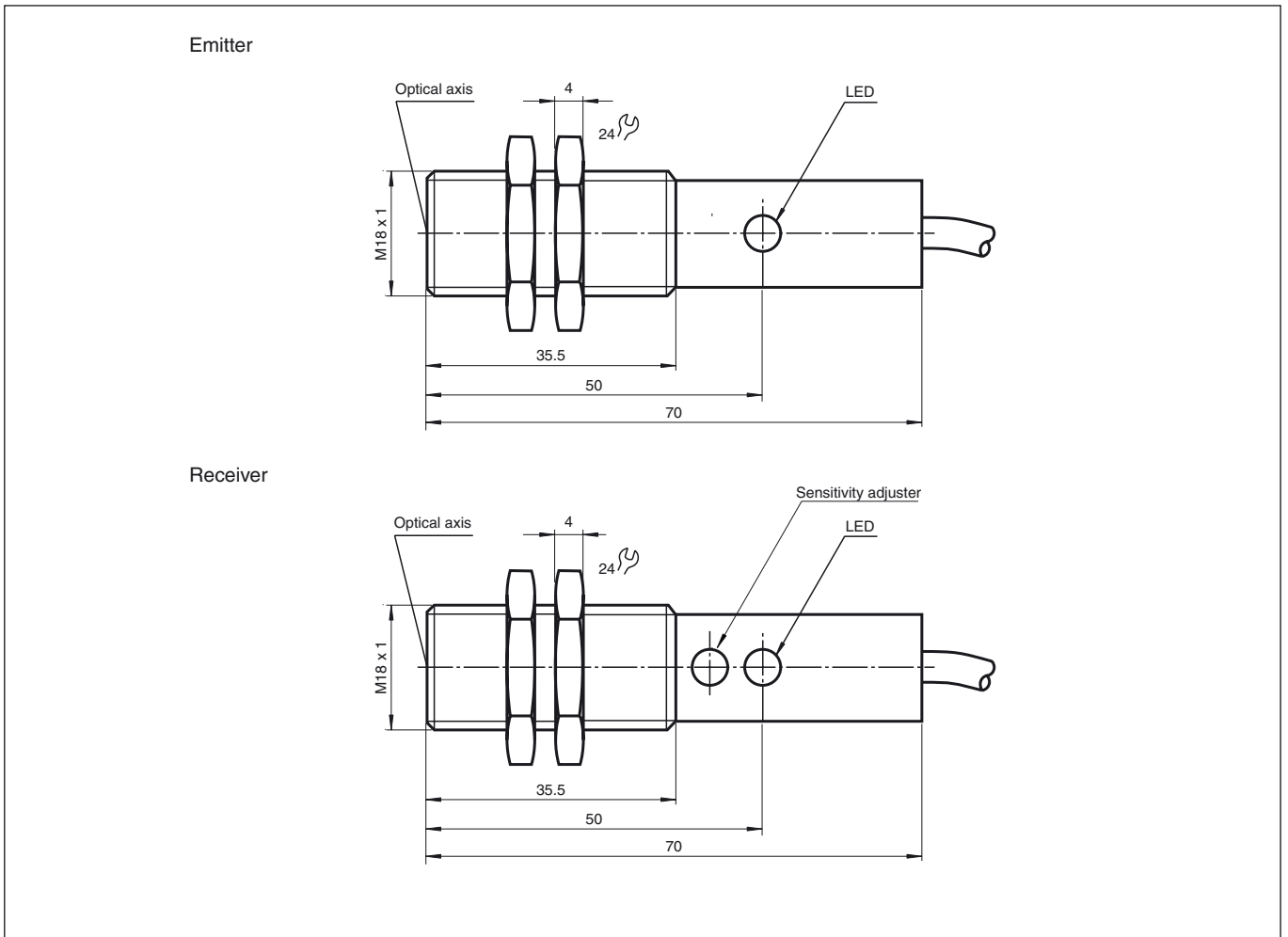
Characteristic response curve



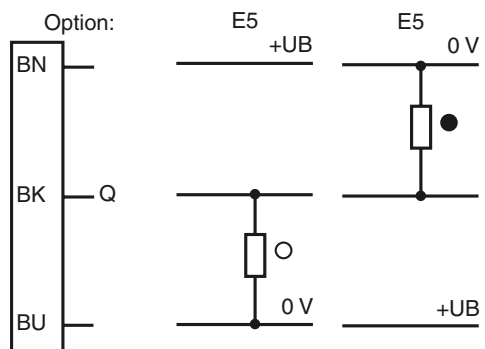
Permissible separation (offset) between optical axis and object.



Dimensions



Electrical connection



○ = light on, ● = dark on