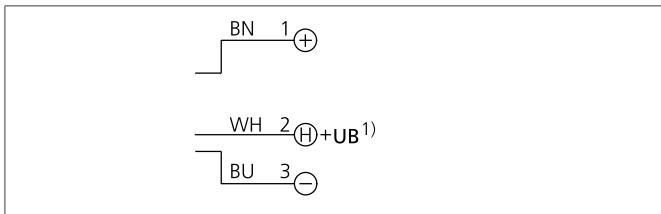


## OSP 50 M 20000-IBS/H

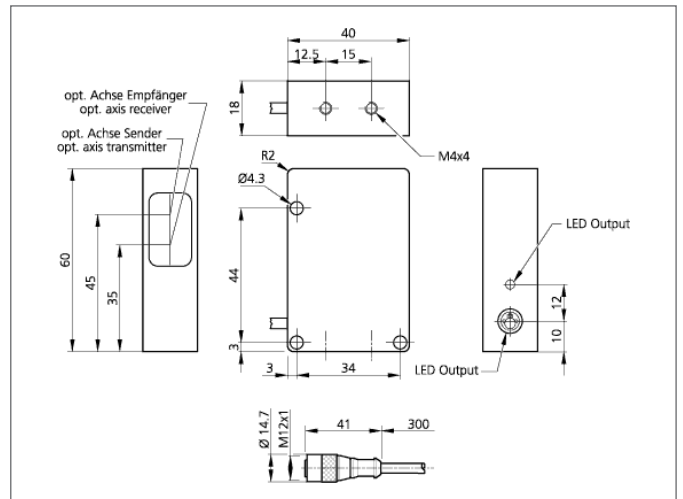
### High Performance Photoelectric Sensor, Transmitter

- With heating element
- High functional reserve
- Extremely dirt-resistant
- High operating distance up to 20 m
- Transmitter opening angle switchable
- Transmit power adjustable
- Infrared light
- Robust metal casing



#### Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments.  
These instruments shall exclusively be used by qualified personnel.



TECHNICAL INFORMATION (typ.)	+20°C, 24V DC
Operating principle	Through beam sensors, transmitter
Evaluation	digital
Size	50 x 40 x 15 mm (Dimensions)
Design	cuboid design
Characteristics	High transmit power and dirt penetration
Emitted light	Infrared, 870 nm, clocked
Opening angle	6°/15°
Service voltage	10 ... 35 V DC
No-load current	22 mA
Operating distance	0 ... 20000 mm dependent on the receiver
Sensitivity adjustment	Potentiometer 4-way
Power consumption	20 W heat up mode, 7 W with heating
Shock-/vibration load	10 ... 55 Hz / 1,0 mm / 30 g
Ambient temperature, operation	-40 ... +50 °C
Ambient light immunity	15 kLx, Sunlight, 2 kLx, clocked light
Protection class	IP 67
Protection degree	III, operation on protective low voltage
Casing material	Die-cast zinc black lacquered finish
Connection	Connector, M12, 3-poled