

Photoelectric Sensor
BLT 21M-001-P-S4
Sn=40mm
Luminescence Sensor

Common Data

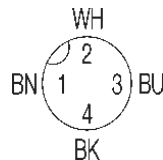
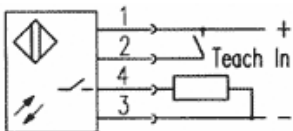
Series	BLT
Sensortype	Luminescence Sensor
Switching frequency	2000 Hz
Rated operating distance Sn in mm	40
asured operating distance Sa (0...40mm)	with Teach in adjustable
Repeat accuracy	≤2%
Hysteresis	< 20%
Indication Switching element on	yes
Indication Special funktion	yes, wrong adjustment
Ambient temperature	-10...+55°C
On-delay	≤0.25ms
Off-delay	50µs
Light	LED, ultraviolet
Sensitivity Adjustment	Teach in
Permissable ambient light	10000 Lux

Mechanical Data

Measurements	50x42,5x15
Shock	Halfsinus, 30gn, 11ms
Vibration	55Hz, 1,5mm Amplitude 3x30M
Housing material	Gd-Zn, nickel plated
Material of sensing face	Glass
Degree of protection	IP67
Connection	Connector S4 (M12)
Weigth	80g
Recommended connector	BKS-_20

Electrical Data

Current	DC
Switching function	normally-open
Output	PNP
Rated operational voltage Ue	24V DC
Rated operational current Ie	100mA
Supply Voltage	10...30V DC
Frequency of Supply Voltage	DC
No-load supply current	<30mA
Voltage drop	<2V
Short protection	yes
Protected against polarity reversal	yes
Rated insulation voltage	75V DC
max. Load capacity	≤1000nF



Utilization categories
 Insulation class

Datasheet number:

Definitions see general catalog.
 If not otherwise noted, ratings according to IEC 60947-5-2 (DIN EN60947-5-2)

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