WF2-40B110
WF

FORK SENSORS

SICK
Sensor Intelligence.

WF2-40B110 | WF

FORK SENSORS

Ordering information

Type	Part no.
WF2-40B110	6058971

Other models and accessories ➜ www.sick.com/WF
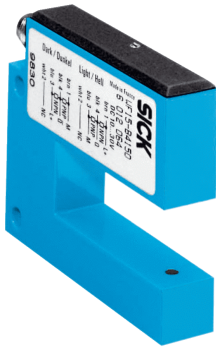
Illustration may differ

Detailed technical data

Features

Functional principle	Optical detection principle
Dimensions (W x H x D)	12 mm x 37.1 mm x 80 mm
Fork width	2 mm
Fork depth	40 mm
Label detection	✓
Output function	Light/darkswitching, adjustable via reverse polarity

Mechanics/electronics

Current consumption	40 mA [1]
Switching output	PNP/NPN
Switching output (voltage)	PNP: HIGH = U_V ≤ 2 V / LOW approx. 0 V NPN: HIGH = approx. U_V / LOW ≤ 2 V
Switching mode	Light/dark switching
Output current $I_{max.}$	100 mA
Connection type	Cable, 4-wire, 2 m
Circuit protection	Output Q short-circuit protected Interference pulse suppression
Enclosure rating	IP65
Weight	Approx. 36 g ... 160 g [2]
Housing material	Aluminum

[1] Without load.
[2] Depending on fork width.

Safety-related parameters

$MTTF_D$	97 years
DC_{avg}	0 %

Ambient data

Shock load	According to EN 60068-2-27
UL File No.	NRKH.E191603

Classifications

ECLASS 5.0	27270909
ECLASS 5.1.4	27270909
ECLASS 6.0	27270909
ECLASS 6.2	27270909
ECLASS 7.0	27270909
ECLASS 8.0	27270909
ECLASS 8.1	27270909
ECLASS 9.0	27270909
ECLASS 10.0	27270909
ECLASS 11.0	27270909
ECLASS 12.0	27270909
ETIM 5.0	EC002720
ETIM 6.0	EC002720
ETIM 7.0	EC002720
ETIM 8.0	EC002720
UNSPSC 16.0901	39121528

Dimensional drawing (Dimensions in mm (inch))
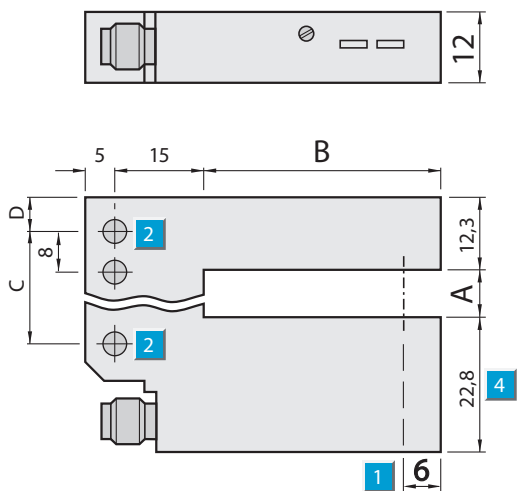
① Optical axis
② Mounting hole, Ø 4.2 mm

Adjustments
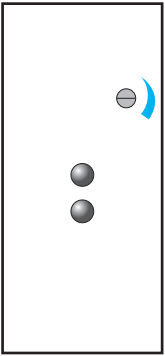
Connection diagram

Cd-040

BN	1	+ (L+)
WH	2	NC
BK	4	Q
BU	3	– (M)
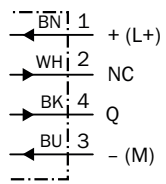
SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

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