

JANUS MI 604 LR

Order Code: 1360388

Hand Detection Safety Light Curtain with Integrated Muting Function. Automatic/Manual Restart and ED M. Long Range



Safety level

Type 4 - PL e

Protected height (mm)

610

Resolution (mm)

40

Max. range (m)

60

Restart

Built-in - User selectable automatic or manual

Functioning system

Emitter / Receiver

Muting Function

Integrated

Technical Description

Safety Light Curtain: Type 4, SIL 3, SILCL 3, PL e, Cat. 4

Cross Section: 50 x 60 mm

Hardware configuration: no programming necessary, easy to install and replace

Configuration through main connector

Allows the installation of external Muting sensors

M12 connectors for external Muting sensors, with operating logic with 2 or 4 sensors

Unshielded cables up to 100 m can be used to connect the Safety Light Curtain

What's in the Box: Emitter, Receiver and Standard Fastening Brackets

JANUS MI 604 LR

Features

Safety level	Type 4 - PL e
Protected height (mm)	610
Resolution (mm)	40
Max. range (m)	60
Restart	Built-in - User selectable automatic or manual
Functioning system	Emitter / Receiver
Safety level (SIL / PL)	Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4
Operating temperature (°C)	0 ... 55
Response time (ms)	17
Number of beams	20
Max. length of the connection cables (m)	100
Muting Function	Integrated
Muting logic	T (Two way) logic with 2 or 4 sensors crossed or parallel beams. L (One way) logic with 2 sensors crossed or parallel beams
Max. override time-out	15 min.
Max. Muting time-out	30 sec. or 90 min. selectable - 30 sec. or infinite models with 4 sensors
Signalling	7 segment display and LEDs for diagnostics, light curtain's status and Muting sensors status
Safety output type	2 fail-safe PNP (500 mA at 24 VDC) with protection against short circuit, overload and reverse polarity

Connections	M12 5-pole connector (emitter), M23 19-pole connector (receiver)
-------------	--

MTTFD (ISO13849) years	100
------------------------	-----

PFHD (IEC 61508)	1,02E-08
------------------	----------

Safety outputs	2 fail-safe PNP (500 mA at 24 VDC)
----------------	------------------------------------

Safety functions	Integrated
------------------	------------

Detection	Hand
-----------	------

Operating Range (m)	Selectable: 8 ... 30 m - low range / 18 ... 60 m - high range
---------------------	---

Overall height receiver or TRX active element (mm)	776
--	-----

Overall height emitter or TRX passive element (mm)	736
--	-----

Protective enclosures	None
-----------------------	------

Packaging dimensions HxLxW (mm)	145 x 820 x 200
---------------------------------	-----------------

Product class	B
---------------	---

Custom tariff	85365019
---------------	----------

Electrical data

Power supply (VDC)	24 ± 20%
--------------------	----------

Mechanical data

Cross section dimensions (mm)	50 x 60
-------------------------------	---------

Degree of protection	IP65
----------------------	------

JANUS MI 604 LR

Fastening

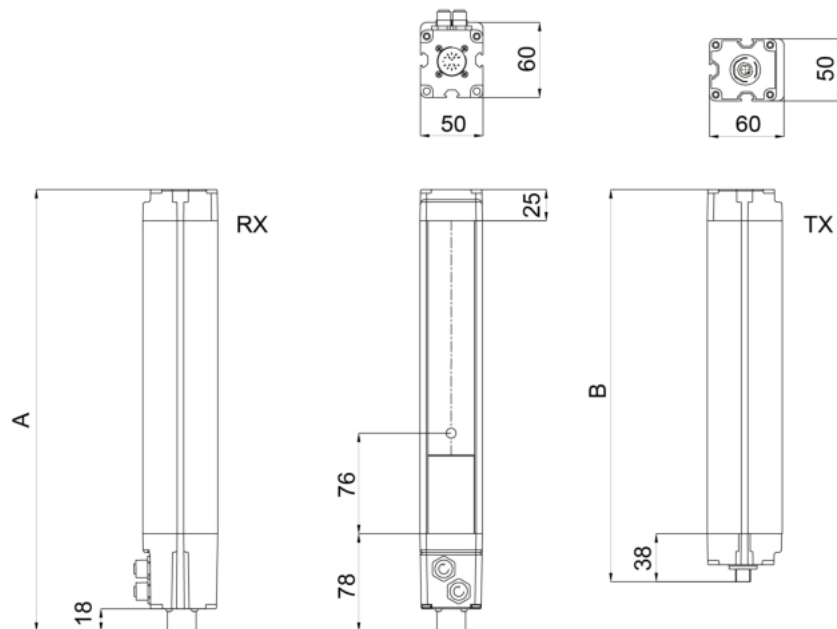
Back slot, side slot with set of LL type brackets (included).

SFB 4J swivel brackets (optional)

Technical drawings

A (Overall height RX) = 776 mm

B (Overall height TX) = 736 mm



Certificates

