

SAFETY LIGHT CURTAINS

JANUS M - ML 2B

Built-in muting function in one-way mode. System of horizontal arms (one for the Emitter and one for the Receiver) with built-in muting sensors with crossed beams. Built-in override function.



Certifications:



Technical data:

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| Family | JANUS M - |
| Code | 1360020 |
| Safety level (SIL / PL) | Type 4 - SIL 3 - SILCL 3 - PL e - Cat. 4 |
| Height of protected area (mm) | 510 |
| Detection | Access control |
| Number of beams | 2 |
| Power supply (VDC) | 24 +/- 20% |
| Max. length of the connection cables (m) | 100 |
| Connections | 5 poles M12 connector (emitter), 19 poles M23 connector (receiver), 5 poles M12 connector (muting sensors) |
| Operating Range (m) | from 1 to 2,5 |
| Response time (ms) | 7 |
| Safety outputs | 2 fail-safe PNP - 500 mA at 24 VDC with protection against short circuit, overload and reverse polarity |
| Light curtain status and weak signal | PNP - 100 mA at 24 VDC |
| Safety functions Start / Restart and EDM | Built-in |
| Muting sensors | 2 optoelectronic, built-in, pre-aligned and pre-wired |
| Restart | User-selectable automatic or manual |
| Muting logic | One-way with 2 sensors |
| Max. override time-out | 15 min |
| Max. muting time-out | 30 sec. or 90 min. selectable |
| Muting sensor field | Adjustable height and tilting |
| Muting Function | Built-in with horizontal arms |
| Blanking function | No |
| CCF (ISO 13849-1) | 80% |
| MTTFd (ISO 13849-1) years | 100 |
| PFHd (IEC 61508) | 7,53E-09 |
| Degree of protection | IP 65 |
| Operating temperature (°C) | From -10 to 55 |
| Cross section dimensions (mm) | 50 x 60 |
| Overall height (mm) | 776 |

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|---------------------------------|--------------|
| Master Slave Models | no |
| Protective enclosures | no |
| Packaging dimensions WxHxL (mm) | 180x120x1280 |
| Gross weight (Kg) | 8,6 |

Accessories:

[CABLES CD 5](#)
[CABLES CD 10](#)
[CABLES CD 15](#)
[CABLES CD 20](#)
[CABLES CD 25](#)
[CABLES CD 50](#)
[CABLES CDM 9](#)
[CABLES CJBE 3](#)
[CABLES CJBE 5](#)
[CABLES CJBE 10](#)
[CABLES CJBE 25](#)
[CABLES CJ 3](#)
[CABLES CJ 5](#)
[CABLES CJ 10](#)
[CABLES CJ 15](#)
[CABLES CJ 20](#)
[CABLES CJ 20L2](#)
[CABLES CJ 30](#)
[CABLES CJ 30L2](#)
[CABLES CJ 35](#)
[CABLES CJBR 3](#)
[CABLES CJBR 5](#)
[CABLES CJBR 10](#)
[CABLES CJM 23](#)
[FMC B12 SUPPORT COLUMN FOR LIGHT CURTAINS](#)
[FMC B18 SUPPORT COLUMN FOR LIGHT CURTAINS](#)
[MJBOX MJB 1 Connection box](#)
[MJBOX MJB 3 Connection box](#)
[LASER ALIGNEMENT LAD 3](#)
[ACCESSORIES BRAKETS SFB 4J](#)

Related products:

[MOSAIC MR2](#)
[Safety relay modules for devices with integrated feedback input for EDM - AD SR0](#)
[Safety relay modules for devices with integrated feedback input for EDM - AD SR0A](#)

See technical drawing in the next page.

Technical drawing:

A = 776 mm

