

## ADMIRAL AX 1205

Order Code: 1334407

Body Detection Safety Light Curtain with Automatic/Manual Restart and EDM



**Safety level**

Type 4 - PL e

**Protected height (mm)**

1210

**Resolution (mm)**

50

**Max. range (m)**

18

**Restart**

Built-in - User selectable  
automatic or manual

**Functioning system**

Emitter / Receiver

## Technical Description

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

Cross Section: 35 x 45 mm

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

Connection and configuration through M12 connectors

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

## Features

|                                             |                                                                                                         |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Safety level                                | Type 4 - PL e                                                                                           |
| Protected height (mm)                       | 1210                                                                                                    |
| Resolution (mm)                             | 50                                                                                                      |
| Max. range (m)                              | 18                                                                                                      |
| Restart                                     | Built-in - User selectable automatic or manual                                                          |
| Functioning system                          | Emitter / Receiver                                                                                      |
| Safety level (SIL / PL)                     | Type 4 - SILCL 3 - PL e - Cat. 4                                                                        |
| Operating temperature (°C)                  | 0 ... 55                                                                                                |
| Response time (ms)                          | 8                                                                                                       |
| Number of beams                             | 32                                                                                                      |
| Max. length of the connection<br>cables (m) | 100                                                                                                     |
| Signalling                                  | 7 segment display and LEDs for light curtain's status and diagnostics                                   |
| 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), M12 8-pole connector (receiver)                                         |
| MTTFD (ISO13849) years                      | 100                                                                                                     |
| PFHD (IEC 61508)                            | 1,42E-08                                                                                                |
| Safety outputs                              | 2 OSSD PNP (500 mA at 24 VDC)                                                                           |
| Safety functions                            | Integrated                                                                                              |
| Detection                                   | Body                                                                                                    |

|                                    |                  |
|------------------------------------|------------------|
| Protective enclosures              | None             |
| Packaging dimensions HxLxW<br>(mm) | 145 x 1380 x 200 |
| Product class                      | C                |
| Custom tariff                      | 85365019         |

## Electrical data

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

## Mechanical data

|                               |                                                                                                                              |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Overall height (mm)           | 1311                                                                                                                         |
| Cross section dimensions (mm) | 35 x 45                                                                                                                      |
| Degree of protection          | IP65                                                                                                                         |
| Fastening                     | Back slot, side slot with set of LS type brackets (included) or to the top and lower end with SFB swivel brackets (optional) |
| Gross weight (g)              | 6175,36                                                                                                                      |

## Technical drawings



## Certificates

