

ADMIRAL AX 451 BK

Order Code: **1334062**

Finger Detection Safety Light Curtain with Blanking Function, Automatic/Manual Restart and EDM



Safety level

Type 4 - PL e

Protected height (mm)

460

Resolution (mm)

14

Max. range (m)

5

Restart

Built-in - User selectable
automatic or manual

Functioning system

Emitter / Receiver

Blanking function

Floating

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)	460
Resolution (mm)	14
Max. range (m)	5
Restart	Built-in - User selectable automatic or manual
Functioning system	Emitter / Receiver
Blanking function	Floating
Safety level (SIL / PL)	Type 4 - SILCL 3 - PL e - Cat. 4
Operating temperature (°C)	0 ... 55
Response time (ms)	9,5
Number of beams	45
Max. length of the connection 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)	1,33E-08
Blanking without object presence obligation	1 or 2 beams, 1, 2 or 3 beams

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Safety outputs	2 OSSD PNP (500 mA at 24 VDC)
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Safety functions	With external module
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Detection	Finger
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Protective enclosures	None
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Packaging dimensions HxLxW (mm)	145 x 600 x 200
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Product class	C
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Custom tariff	85365019
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Electrical data

Power supply (VDC)	24 ± 20%
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Mechanical data

Overall height (mm)	561
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Cross section dimensions (mm)	35 x 45
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Degree of protection	IP65
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Fastening	Back slot, side slot with set of LS type brackets (included) or to the top and lower end with SFB swivel brackets (optional)
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Gross weight (g)	2889,96
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Technical drawings



Certificates

