

# Product data sheet

Specifications

## Imager, OSI-90, 80° coverage

FFS06432703



### Main

Range of product	Esmi special detection application
Product or component type	Beam detector
Detection type	Smoke

### Complementary

[Us] rated supply voltage	20...30 V DC
[Ue] rated operational voltage	24 V DC nominal
Current consumption	8 mA at 24 V DC for 1 emitter 10 mA at 24 V DC for 7 emitter 31 mA at 24 V DC peak
Local signalling	LED (red) for alarm LED (green) for power ON LED (yellow) for fault
Load current	2 A at 30 V DC relay load for fault 2 A at 30 V DC relay load for alarm
Operating distance	6...34 m with OSE-SPW 12...68 m with OSE-HPW
Alarm threshold	20 % 0.97 dB low - highest sensitivity/earliest alarm 35 % 1.87 dB medium - medium sensitivity 50 % 3.01 dB high - lowest sensitivity/maximum immunity to nuisance smoke conditions
Operating position	+/- 2° maximum misalignment angle +/- 60° adjustment angle horizontal +/- 15° adjustment angle vertical
Field of view	80°
Cable cross section	0.2...4 mm <sup>2</sup> - AWG 26...AWG 12
Width	208 mm
Height	136 mm
Depth	96 mm
Product weight	610 g
<b>Environment</b>	
Standards	EN 54-12
Product certifications	CPR
IP degree of protection	IP44 for electronics IP66 for optics enclosure
Relative humidity	10...95 % non-condensing

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Ambient air temperature for operation -10...55 °C

## Packing Units

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Unit Type of Package 1 PCE

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Number of Units in Package 1 1

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Package 1 Weight 1.2 kg

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Package 1 Height 20.0 cm

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Package 1 Width 20.0 cm

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Package 1 Length 28.0 cm

## Offer Sustainability

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REACH Regulation [REACH Declaration](#)

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EU RoHS Directive Compliant  
[EU RoHS Declaration](#)

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Mercury free Yes

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RoHS exemption information [Yes](#)

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China RoHS Regulation [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

## Recommended replacement(s)