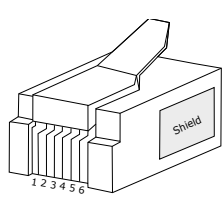
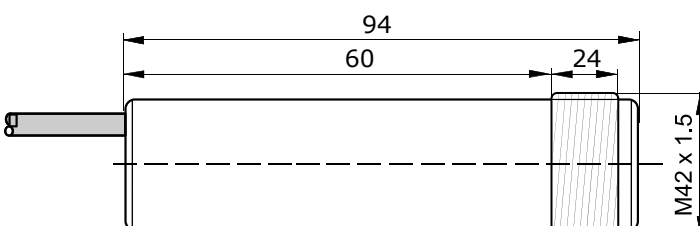
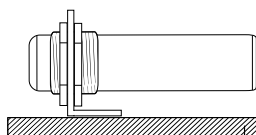
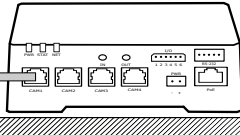


Operating manual: CVH-AXF-ECB-NO-S341 AXIS F1015 Sensor Unit for Explosive Atmospheres

• Max resolution 1080p



II 2G Ex db IIA T3 Gb

	Type	CVH-AXF-ECB-NO-S341																												
Technical Data																														
Gas Ex protection designation		II 2G Ex db IIA T3 Gb																												
For use in Ex Zones		Zones 1, 2																												
Illumination		Not installed																												
Camera focus		77.5cm																												
Field of view (FOV)		Defined by customer																												
Image sensor		1/2.8" (effective) progressive scan RGB CMOS																												
Focal ratio (F-Stop)		F2.0																												
Audio Output		No microphone installed, video feed only																												
Power supply type		12V / max 50mA																												
Maximum power dissipation		600mW																												
Configuration and control interface		supported Main Units: F34, F41, F44 / see Main Unit datasheet for more information																												
Housing		M42, material: stainless steel 1.4404																												
Enclosure rating		IP67																												
Optical window		Multiple layers of Corning Gorilla Glas 3																												
Weight		tbd																												
Ambient working temperature range, T _{amb}		0°C up to +50°C																												
Storage temperature range		-20°C up to +65°C																												
Relative humidity		15% - 85%																												
Connection cable		Shielded PVC cable, length: 12m, supplied by AXIS.																												
Wiring and Connection		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Cable</th> <th style="width: 15%;">RJ12</th> <th style="width: 15%;">Cable</th> <th style="width: 15%;">RJ12</th> </tr> </thead> <tbody> <tr> <td>black</td> <td>1</td> <td>cable-shield</td> <td>plug-shield</td> </tr> <tr> <td>blue</td> <td>2</td> <td>yellow</td> <td>-</td> </tr> <tr> <td>NC</td> <td>3</td> <td>green</td> <td>-</td> </tr> <tr> <td>NC</td> <td>4</td> <td>orange</td> <td>-</td> </tr> <tr> <td>brown</td> <td>5</td> <td>grey</td> <td>-</td> </tr> <tr> <td>red</td> <td>6</td> <td></td> <td></td> </tr> </tbody> </table> <p>Connect shield to \perp protection earth (over RJ12 plug)</p> 	Cable	RJ12	Cable	RJ12	black	1	cable-shield	plug-shield	blue	2	yellow	-	NC	3	green	-	NC	4	orange	-	brown	5	grey	-	red	6		
Cable	RJ12	Cable	RJ12																											
black	1	cable-shield	plug-shield																											
blue	2	yellow	-																											
NC	3	green	-																											
NC	4	orange	-																											
brown	5	grey	-																											
red	6																													
Ex related markings		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>CE 1258 Typ: CVH-AXF-ECB-NO-S341 Gas: II 2G Ex db IIA T3 Gb ATEX: Tamb: Manufacturing date:</p> </td> <td style="width: 50%; vertical-align: top;"> <p>Manufacturer with Address Electrical data according to table BVS 10 ATEX E130 X 0°C up to +50°C Number 5 to 8 of the Serial Number (Year / CW)</p> </td> </tr> </table>	<p>CE 1258 Typ: CVH-AXF-ECB-NO-S341 Gas: II 2G Ex db IIA T3 Gb ATEX: Tamb: Manufacturing date:</p>	<p>Manufacturer with Address Electrical data according to table BVS 10 ATEX E130 X 0°C up to +50°C Number 5 to 8 of the Serial Number (Year / CW)</p>																										
<p>CE 1258 Typ: CVH-AXF-ECB-NO-S341 Gas: II 2G Ex db IIA T3 Gb ATEX: Tamb: Manufacturing date:</p>	<p>Manufacturer with Address Electrical data according to table BVS 10 ATEX E130 X 0°C up to +50°C Number 5 to 8 of the Serial Number (Year / CW)</p>																													
Dimensions																														
Ex Zone		<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>Ex Zone Safe equipotential bonding for Ex devices: Check the reliable, noncorrosive holding of the \perp PE connection.</p>  </div> <div style="flex: 1; border-left: 1px dashed black; padding-left: 10px;"> <p>NON-HAZARDOUS AREA The end of the cable must be connected outside the hazardous locations. The cable shield is to connect to \perp PE large-surfaced.</p>  </div> </div>																												

CVH-AXF-ECB-NO-S341_e1/2023-10-17/MP

Operating Manual / EC-/EU-declaration of conformity

Installation prescriptions for hazardous locations

It is necessary to take into consideration the valid international and national rules and regulations (IEC 60079-14:2013). The cable must be protected against damaging. The cable shield must be connected to \perp PE short and reliably. The end of the cable must either be installed within a certificated Ex housing or must be installed outside of any Ex area.

General safety instructions

The sensor is to be used in such a way that in the event of malfunction or total failure of the sensor, no people endangered or machinery damaged. The relevant EU and national regulations and guidelines must be observed during assembly, operation and maintenance. The sensors comply with the following standards: EN 61000-6-2, EN 61000-6-3, EN 61326-1.

Maintenance

The sensor is maintenance-free. Equipment must only be repaired or serviced by the manufacturer.

EU-Declaration of Conformity

The product meets the requirements of the following standards and directives: EN/IEC 60079-0:2018, EN 60079-1:2014, EN 60079-28:2015, EN 60079-31:2014, EN 60529:2014, EN 61000-6-2:2005, EN 61000-6-3:2007 + A1:2011, ATEX directive 2014/34/EU, Machine directive 2006/42/EC, EMC directive 2014/30/EU, RoHS directive 2011/65/EU

ATEX/IECEx-Designation:

Gas: II 2G Ex db IIA T3 Gb

ATEX EU-type examination certificate No.: BVS 10 ATEX E130 X

ATEX certification of quality management system, type production of Ex devices, in accordance to the directive 2014/34/EU:

Certification No.: SEV 21 ATEX 4580, QAR No.: CH/SEV/QAR21.0009/01,

CB: Eurofins Electric & Electronic Product Testing AG, Luppenstrasse 3, CH-8320 Fehraltorf CE 1258 Ident. Number: 1258

Pablo Ledergerber, Matrix Elektronik AG, is authorized to generation of documentation.

The conformity of the devices with all used standards and directives and the EC-type examination certificate and the observation of the Quality Management System ISO 9001:2015, declares:

Ehrendingen, 17.10.2023



Pablo Ledergerber, Matrix Elektronik AG