O2I402 Cut Sheet

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ifm efector O2I series barcode scanner, industrial machine mount, 1D and 2D, imager, RGBW light emission, wide angle lens, 1280 x 960 optical resolution, TCP/IP and IO-Link, IP65.

For complete product information, please see this item on our store at the following link:

https://www.automationdirect.com/pn/O2I402

Technical Specifications

Brand	ifm efector
Item	Barcode scanner
Series	O2I
Form Factor	Industrial machine mount
Scanner Capability	1D and 2D
Scanner Type	Imager
Focus Type	Automatic
Duty Rating	Rugged duty
Lens Type	Wide angle
Light Emission	RGBW
Optical Resolution	1280 x 960
Inspection Tools	Read code and OCR
Decode Capability	• 1D: Codabar, Code 128, Code 39, Code 93, EAN13, EAN13 Add-On 2, EAN13 Add-On 5, EAN8, EAN8 Add-On 2, EAN8 Add-On 5, GS1 - 128, GS1 DataBar Expanded, GS1 DataBar Limited, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, Industrial 2-of-5, Interleaved 2-of-5, MSI Barcode, Pharmacode, UPC-A, UPC-A Add-On 2, UPC-A Add-On 5, UPC-E, UPC-E Add-On 2, UPC-E Add-On 5 • 1D Stacked: GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, PDF-417 • 2D: Aztec Code, Data Matrix (ECC200), GS1 Aztec Code, GS1 ECC200, GS1 QR Code, Micro-QR, QR
View Area 1	28 x 21mm @ 85mm
View Area 2	302 x 227mm @ 1000mm
Operating Distance	85–1000mm
Response Time	40fps
Input	(1) NPN or PNP
Output	(2) NPN or PNP
Connection	(1) 5-pin M12 quick-disconnect and (1) 4-pin M12 D-coded
Port Protocol(s)	• TCP/IP • IO-Link

Port Speed(s)	IO-Link COM3
IO-Link Version	IO-Link v1.1
Standard I/O Mode Supported	Yes
IP Rating	IP65
Housing Material	Die-cast zinc
Housing Size	45 x 45 x 86mm body
Lens Material	Gorilla Glass
Operating Voltage	18–30 VDC
Operating Temperature	-10 to +50 °C
Additional Information	Purchase cable separately

Agency Approvals

CE	View CE declarations
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings

2D Drawing PDF Link:
https://cdn.automationdirect.com
/static/drawings/2d/O2I402.pdf
See store item page for other formats.