

Technical data sheet

Vision sensor

Part no.: 50136495

ACR 398i ADJ-M-102-W3-C



For illustration purposes only

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RS232

RS422

Ethernet

PROFINET

Technical data

Basic data

Series	ACR 300i
Chip	CMOS

Functions

Software functions	BLOB analysis (completeness monitoring)
	BLOB analysis (presence control)
	Brightness detection
	Contour detection
	Contrast detection
	Edge detection
	Gray threshold detection
	Measuring tool
	OCR text recognition
	Reading of 1D codes
	Reading of 2D codes
	Sample comparison

Read data

Code types, readable	2/5 Interleaved
	Aztec
	Codabar
	Code 128
	Code 39
	Code 93
	Data Matrix Code
	EAN 128
	EAN 8/13
	GS1 Databar
	GS1 Databar Omnidirectional
	GS1 Databar QR code
	GS1 Databar Stacked
	PDF417
	Pharma Code
	QR code
	UPC

Optical data

Light source	LED, White
Camera resolution, horizontal	1,280 px
Camera resolution, vertical	1,024 px
Chip size	1/1.8 in
Camera type	Color

Electrical data

Performance data	
Supply voltage U _B	18 ... 26.4 V, DC
Inputs/outputs selectable	
Number of inputs/outputs selectable	4 Piece(s)
Voltage type, outputs	DC
Voltage type, inputs	DC
Interface	
Type	RS 232, Ethernet
RS 232	
Function	Process

Connection 1

Function	Signal IN
	Signal OUT
	Voltage supply
Type of connection	Connector
Thread size	M12

Connection 2

Function	Data interface
Type of connection	Connector
Thread size	M12

Connection 3

Function	Data interface
	Service interface
Type of connection	Connector
Thread size	M12

Mechanical data

Dimension (W x H x L)	45 mm x 45 mm x 65 mm
Housing material	Metal
	Plastic
Lens cover material	Plastic
Net weight	160 g

Operation and display

Environmental data

Ambient temperature, operation	0 ... 50 °C
Ambient temperature, storage	-20 ... 70 °C

Certifications

Degree of protection	IP 65
	IP 67
Certifications	c UL US

Classification

Customs tariff number	85365019
ECLASS 5.1.4	27280103
ECLASS 8.0	27280103
ECLASS 9.0	27280103
ECLASS 10.0	27280103
ECLASS 11.0	27280103
ECLASS 12.0	27280103
ECLASS 13.0	27280103
ECLASS 14.0	27280103
ETIM 5.0	EC002550
ETIM 6.0	EC002999
ETIM 7.0	EC002999
ETIM 8.0	EC002999
ETIM 9.0	EC002999

Electrical connection

Connection 1

Function	Signal IN
	Signal OUT
	Voltage supply
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	12 -pin
Encoding	A-coded

Connection 2

Function	Data interface
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Connection 3

Function	Data interface
	Service interface
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	4 -pin
Encoding	D-coded

Operation and display

LED	Display	Meaning
1 PWR	Green, continuous light	Supply voltage on

Accessories

Connection technology - Connection unit

	Part no.	Designation	Article	Description
	50136502	ALA-24-2x12.12-12.5-67	Connection unit	Connections: 3 Piece(s) Degree of protection: IP 67, IP 65

Accessories

Connection technology - Connection cables

	Part no.	Designation	Article	Description
  	50130281	KD S-M12-CA-P1-020	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 12 -pin Connector, LED: No Connection 2: Open end Shielded: Yes Cable length: 2.000 mm Sheathing material: PUR
	50133839	KD U-M12-5A-P1-020	Connection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 5 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 2.000 mm Sheathing material: PUR
	50135073	KS ET-M12-4A-P7-020	Connection cable	Suitable for interface: Ethernet Connection 1: Connector, M12, Axial, Male, D-coded, 4 -pin Connector, LED: No Connection 2: Open end Shielded: Yes Cable length: 2.000 mm Sheathing material: PUR

Connection technology - Interconnection cables

	Part no.	Designation	Article	Description
  	50133297	KDS U-M12-5A-M12-5A-V1-020	Interconnection cable	Connection 1: Connector, M12, Axial, Female, A-coded, 5 -pin Connection 2: Connector, M12, Axial, Male, A-coded, 5 -pin Shielded: No Cable length: 2,000 mm Sheathing material: PVC
	50135080	KSS ET-M12-4A-RJ45-A-P7-020	Interconnection cable	Suitable for interface: Ethernet Connection 1: Connector, M12, Axial, Male, D-coded, 4 -pin Connection 2: RJ45 Shielded: Yes Cable length: 2,000 mm Sheathing material: PUR

Mounting technology - Other

	Part no.	Designation	Article	Description
	50136486	MB-1 300	Mounting bracket	Functions: Static applications Design of mounting device: Mounting system Fastening, at system: Screw type Mounting bracket, at device: Groove mounting Material: Plastic Shock absorber: No

Accessories

Note	
	A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.