

Product-type designation

VS130-2 code reader



VISION SENSOR SIMATIC VS 130-2 COMPLETE PACKAGE CODE READING,
FIELD OF VIEW: 20MM X 15MM,
RESOLUTION: 640X480 PIXELS,
CONSISTS OF SENSOR HEAD IP65,
LED FRONT LIGHTING IP65,
EVALUATION UNIT IP40 AND SENSOR-,
LIGHTING CABLE 2.5M PS-,
DIGITAL IO-CABLE 10M INCL. DOCUMENTATION
PACKAGE COMPLETE PACKAGE CONSISTING OF:
6GF1018-3BA,
6GF2002-8FA01, 6GF9004-8BA,
6GF9002-8CE, 6GF9002-8CA, 6GF9002-8CB,
6GF9002-8CD, 6GF7031-1BA

Suitability for installation

1D codes: Int. 2/5, Code 128, Code 39, EAN 13, 2D codes: DMC, PDF417 (without: Truncated, Micro and Macro), QR (without: Micro and Macro)

Interfaces

Design of the electrical connection

- the Industrial Ethernet Interface
- of the PROFIBUS interface

RJ 45

9-pin Sub-D socket connector

Number of digital inputs

8

Number of digital outputs

6

Design of digital inputs

7 standard PLC inputs, one high-speed trigger input

Design of digital outputs

Max. 500 mA per DO, total of all DOs max. 1.5 A

Optical data

Design of image sensor / of camera

CCD chip 1/3", VGA (640 x 480), image field 20 x 15 mm

Type of image capture

Global shutter

Range

75 ... 75 mm

Range / note

Fixed distance, range tolerance dependent on code type and size

Mounting type / of lens

Fixed

Nature of fluorescent material

Enclosed red LED ring lamp, diffused, plastic 75 - 500 mm or ring lamp according to accessories list

Image acquisition frequency / maximum

30 Hz

Type of focusing

Based on mounting

Supply voltage, current consumption, power loss	
Supply voltage / for DC	
• rated value	24 V
• minimum	19.2 V
• maximum	28.8 V
Consumed current / At 24 V / with DC	
• typical	2 A
• maximum	4 A
Stored energy time / supply voltage failure / minimum	0.01 s
Mechanical data	
Material	Evaluation unit: Plastic, sensor head: Aluminum profile enclosure
Color	Evaluation unit: Anthracite, sensor head: Black
Permitted ambient conditions	
Ambient temperature	
• during operating	0 ... 50 °C
• during storage	-30 ... +70 °C
• during transport	-30 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	Evaluation unit: IP40, sensor head and lamp unit: IP65
Resistance against shock	According to IEC 60068-2
Resistance against shock	700 m/s ²
Resistance against vibration	10 m/s ²
Design, dimensions and weight	
Width	170 mm
Height	140 mm
Depth	76 mm
Net weight	0.9 kg
Mounting type	Evaluation unit: 4 x M5 screws, sensor head: M6 screw, lamp unit: Integrated mounting bracket or coaxial ring lamp holder (see Accessories)
Product properties, functions, components / general	
Product feature / silicon-free	Yes
Type of display	4-line text display with 6 keys,
Standards, specifications, approvals	
Verification of suitability	CE
MTBF	69 a
Accessories	
Accessories	Lenses, lens guard tubes, LED ring lamps, lamp multiplexers, IP65 protective enclosures for evaluation unit

