NEW

Compact Laser Bar Code Reader V500-R521B2/C2



* 4.99598t

*KR92135

A RESCO

*K49055500

Rollovo



A compact design with easy installation and setup. High-speed reading at 500 scans per second.

Compact Design

At $48 \times 38 \times 23$ mm, the V500-R521 is the smallest class of Laser Bar Code Reader in the Industry. It fits essentially anywhere and is ideal for building into a variety of equipment.



Easy Function Setup

Functions can be set either by sending command communications from a personal computer or by reading menu sheets.

Superior Read Performance

High-speed reading at 500 scans per second over a wide working distance from 60 to 270 mm (with a narrow bar width of 1.0 mm).



Easy Installation

Just press the TEST Button on the Reader to easily read a bar code. Installation and maintenance work is also reduced.



 Reading Control Bar Codes on Water Cassettes
 Quality Control When Soring
 PCB Quality Control in Electronic Device Manufacturing

Ordering information

Product		Model
Bar Code Readers	Cable output	V500-R521B2
	Round DIN connector	V500-R521C2
ID Link Unit (sold separately)		V700-L12
Cables (sold separately)	SYSMAC D-sub 9-pin cable, 0.8 m	V509-W011
	SYSMAC D-sub 9-pin cable, 5 m	V509-W016
	IBM PC/AT or compatible D-sub 9-pin cable, 0.8 m	V509-W011D
	IBM PC/AT or compatible D-sub 9-pin cable, 5 m	V509-W016D

Ratings and Performance

General Specifications

Type of bar code	Code 39, NW-7, ITF,	
Number of read digita	STF (2 of 5 bars), Code 93, Code 128 (including EAN128), EAN/UPC (A and E)	
U U	32 digits max. (depends on bar width and read size)	
	0.15 mm (for PCS0.9)	
· /	0.45 min. (70% white reflectance min.)	
<u> </u>	60 to 270 mm (with 1.0-mm thin bar)	
	Within 40° (including left and right margins)	
<u> </u>	±50° (excluding the upper 10° and lower 5° ranges)	
<u> </u>	±25° (25° right and left)	
	Red laser diode (wavelength: 650 nm)	
	1.0 mW max.	
	Raster scan	
	500 scans/s	
Reading verification	Buzzer and LED indicators	
Communications specifications	RS-232C	
OK/NG output (V500-R521B2 only)	30 mA at 24 VDC, NPN open-collector output	
ng method	Menu sheet reading or host commands	
	 External trigger (transistor input) 	
	Trigger by command (RS-232C)	
	Test read trigger with the TEST Button on the Reader	
	Read data is output.	
	The OK signal turns ON when reading is successful.	
(V500-R521B2 only)	The NG signal turns ON when reading fails.	
LED indicators	The OK indicator lights when reading is successful.	
	The NG indicator lights when reading fails.	
	The buzzer sounds when reading is successful. (The buzzer can be muted.)	
	5 VDC ±10% (See note 2.)	
	220 mA typ. (330 mA max.)	
	2.5 A max.	
	Operating: 0 to 45°C, Storage: –10°C to 60°C (with no icing or condensation)	
	Operating and storage: 30% to 85% (with no icing or condensation)	
	12 to 100 Hz, 19.6 m/s ² acceleration in X, Y, and Z directions for 3 hours each	
	3,000 lx max. (fluorescent light; excluding inverter fluorescent lighting)	
Ig	IP54 (IEC 60529 standard)	
	80 g (excluding cable and connector)	
	V500-R521B2: Cable output	
	V500-R521C2: DIN 8-pin connector	
	2 m	
	OK/NG output (V500-R521B2 only)	

Note 1. Unless otherwise specified, specifications are for a bar code set to JAN 1× with an MRD of 63% or higher (a PCS value of 0.9 or higher) is used with the pitch angle (α) set to 0°, the skew angle (β) set to 15°, the tilt angle (γ) set to 0°, and the curvature (R) set to infinity.
 The power supply voltage is specified at the I/O connector of the Bar Code Reader

System Configuration

V500-R521B2 (Cable Output)

The cable end has loose wires.

Bar Code Reader Personal computer (IBM PC/AT or compatible) V500-R521B2 Programmable Controller 66 Power supply (5 VDC) 000 Recommended model: S8VS-01505 1999

V500-R521C2 (Connector Output)

The cable end has a connector. Prepare a connecting cable suitable for the host.



Dimensions

Bar Code Reader

V500-R521B2 V500-R521C2



This document provides information mainly for selecting suitable models. Please read the Instruction Sheet carefully for information that the user must understand and accept before purchase, including information on warranty, limitations of liability, and precautions.

Note: Do not use this document to operate the Unit.

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