OMRON

Manual Swipe Magnetic Card Reader	V3A

Manual Swipe Reader

- Magnetic Cards conforming to ISO 7810/7813.
- Read only.
- Available with or without cover.
- Molex connector.
- Low power C-MOS technology.
- Same size as the Omron HNR series.
- Snap-on cover.

Ordering Information

Track reading	Cover Supplied	Part Number
Tracks 1,2 and 3	No	V3A-1
Tracks 1,2 and 3	Yes	V3A-1K
Track 1	No	V3A-3
Track 1	Yes	V3A-3K
Track 2	No	V3A-4
Track 2	Yes	V3A-4K
Track 3	No	V3A-5
Track 3	Yes	V3A-5K
Tracks 1 and 2	No	V3A-6
Tracks 1 and 2	Yes	V3A-6K
Tracks 2 and 3	No	V3A-7
Tracks 2 and 3	Yes	V3A-7K

Specification

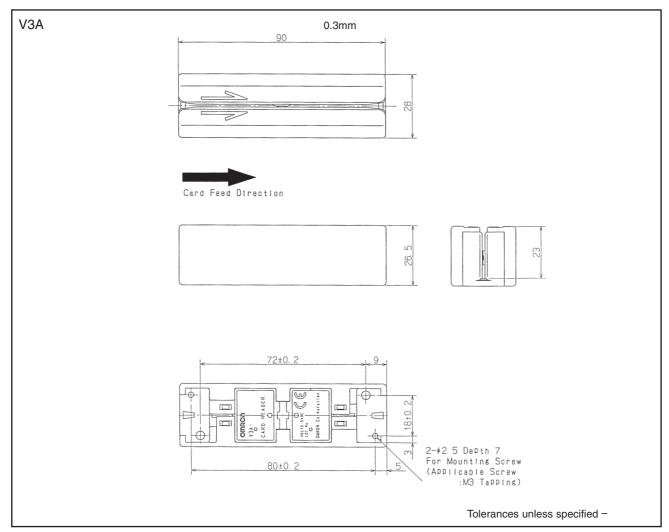| Part Number		V3A-
Recommended Card Type		Magnetic Card: ISO 7810, 7811/1-5, 7813
Number of Tracks		Tracks 1, 2 or 3
Recording Method		F2F
Card Feeding Speed		100 to 1,200 mm/second
Service Life of Magnetic Head		1,000,000 passes minimum
Operating Power Supply		+5V DC –10%
Current Consumption		3mA typical, 5mA maximum
Mounting Location		Anywhere not directly subject to water or sunlight
Mounting Method		M3 Tapping Screw
Housing Colour		Buff White
Ambient Temperature	Operation	-10 to 55 C
	Storage	-30 to 70 C
Ambient Humidity	Operation	10% to 95% RH without condensation
	Storage	10% to 95% RH
Vibration		10 to 55 Hz, 2mm double amplitude
Shock		30mm/sec^2 (30G) in each of X, Y and Z directions
Dimensions		90 W x 26.5 H x 28 D mm
Weight		Approx. 40g with cover (25g without)
Connectors		9 way Molex 53261-0990 connector is mounted on the PCB
		Molex 51021-0900 connector is required to attach cable.

Application Examples

- Point-of Sale (PoS) systems.
- ID card checkers.
- Club membership.
- Access Management.
- Remote terminals for computers.

Connector Pin Assignment on PCB

Connector Pin No.	Signal
9	Not Used
8	Not Used
7	Not Used
6	RDP
5	RCP
4	CLS
3	CSV
2	+5V DC
1	0 V

Dimensions

V3A

0.3mm

Card Feed Direction

2-⌀2.5 Depth 7
For Mounting Screw
(Applicable Screw
:M3 Tapping)

Tolerances unless specified –