

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 HSR series.
- Snap-on cover.



Ordering Information

Track reading	Cover Supplied	Part Number
Tracks 1,2 and 3	No	V3B-1
Tracks 1,2 and 3	Yes	V3B-1K
Track 1	No	V3B-3
Track 1	Yes	V3B-3K
Track 2	No	V3B-4
Track 2	Yes	V3B-4K
Track 3	No	V3B-5
Track 3	Yes	V3B-5K
Tracks 1 and 2	No	V3B-6
Tracks 1 and 2	Yes	V3B-6K
Tracks 2 and 3	No	V3B-7
Tracks 2 and 3	Yes	V3B-7K

Specification

Part Number	V3B-	
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	Black	
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	100 W x 32 H x 32.5 D mm	
Weight	Approx. 80g with cover (50g without)	
Connectors	9 way Molex 51102-0500 connector is mounted on the PCB Molex 51021-0900 connector is required to attach cable. Supplied fitted with a 250mm cable harness terminating in a 5 way Molex 51102-0500 connector.	

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) not available
2	+5V DC
1	0 V

Dimensions

