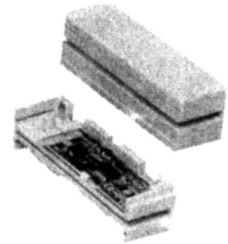


HNR

Features

- Manual swipe reader: Ideal for POS, time/attendance, ID control
- Lightweight and compact construction
- Low power consumption
- Single, double or triple track configuration
- Solder pad or connector permitting custom I/O interface
- TTL interface



Characteristic Data

Power consumption

Single track – 5mA @ 5 VDC, double track 10mA @ 5 VDC

Double track – 10mA @ 5 VDC

Triple track – 15mA @ 5 VDC

Service life 300,000 passes minimum

Card feed speed 10 to 120 cm/sec.

Operating temperature -10°C to +55°C

Accessories

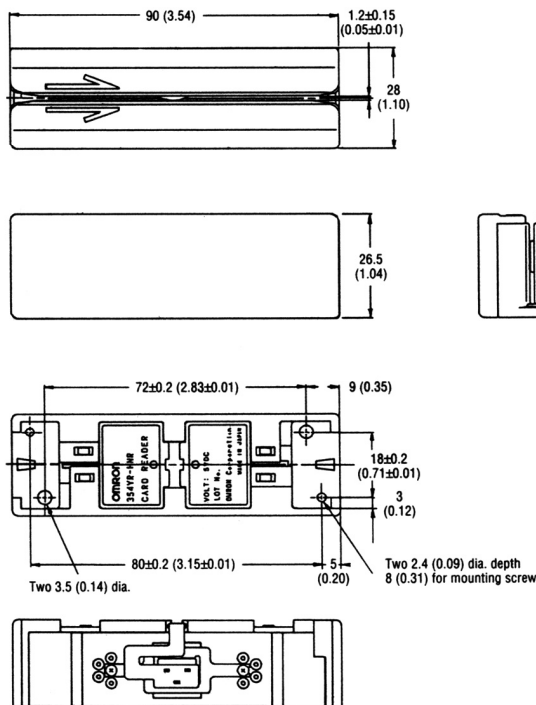
Part number	Description
Cover assy. for HNR	Set of 2 covers
Cable KTI-159	For HNR 1
Cable KTI-240	For HNR 4, 6, 7 (002, 102)

Ordering Information

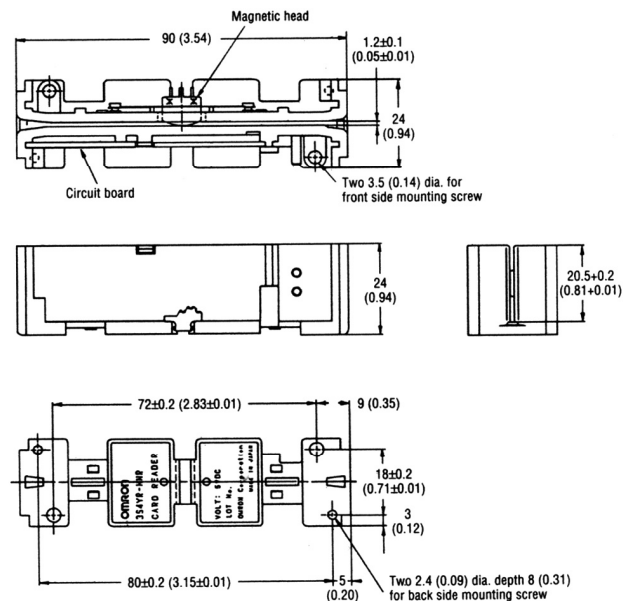
Part number	Tracks	I/O	Enclosure
3S4YR-HNR1	1, 2 & 3	Connector	Enclosed
3S4YR-HNR1-01	1, 2 & 3	Connector	No cover
3S4YR-HNR4	2	Solder pad	Enclosed
3S4YR-HNR4-01	2	Solder pad	No cover
3S4YR-HNR4-002	2	Connector	No cover
3S4YR-HNR4-102	2	Connector	Enclosed
3S4YR-HNR6	1 & 2	Solder pad	Enclosed
3S4YR-HNR6-01	1 & 2	Solder pad	No cover
3S4YR-HNR6-002	1 & 2	Connector	No cover
3S4YR-HNR6-102	1 & 2	Connector	Enclosed
3S4YR-HNR7	2 & 3	Solder pad	Enclosed
3S4YR-HNR7-01	2 & 3	Solder pad	No cover
3S4YR-HNR7-002	2 & 3	Connector	No cover
3S4YR-HNR7-102	2 & 3	Connector	Enclosed

Dimensions [Unit: mm (inch)]

3S4YR-HNR (Enclosed models)



3S4YR-HNR (Open models)



Note: 1. Unless otherwise indicated, tolerance is ± 0.3 (.012).

HSR

Features

- Manual swipe reader: Ideal for access control, POS, time/attendance, ID control
- Single or double track configurations available
- Compact, rugged construction
- Fixed, 250 mm (9.843 in.) wire harness
- TTL interface

Characteristic Data

Power consumption

Single track: 25mA @ 5 VDC

Double track: 50mA @ 5 VDC

Service life

Single track: 300,000 passes minimum

Double track: 600,000 passes minimum

Card feed speed 10 to 150 cm/sec.

Operating temperature -10°C to +55°C

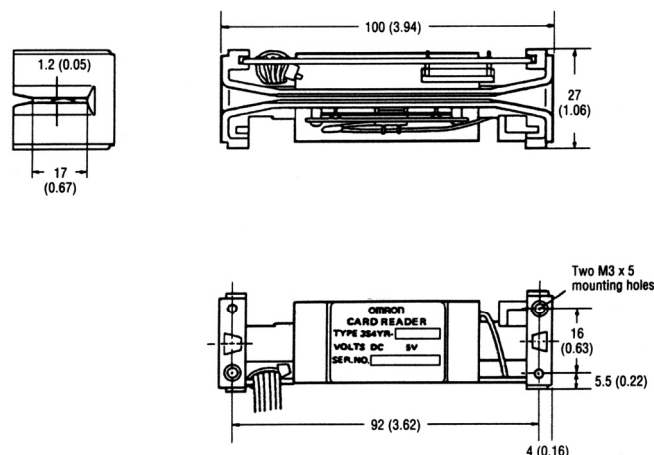
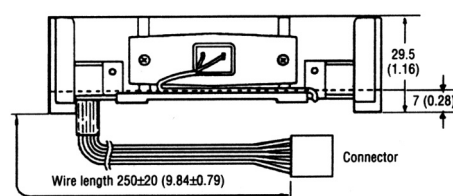
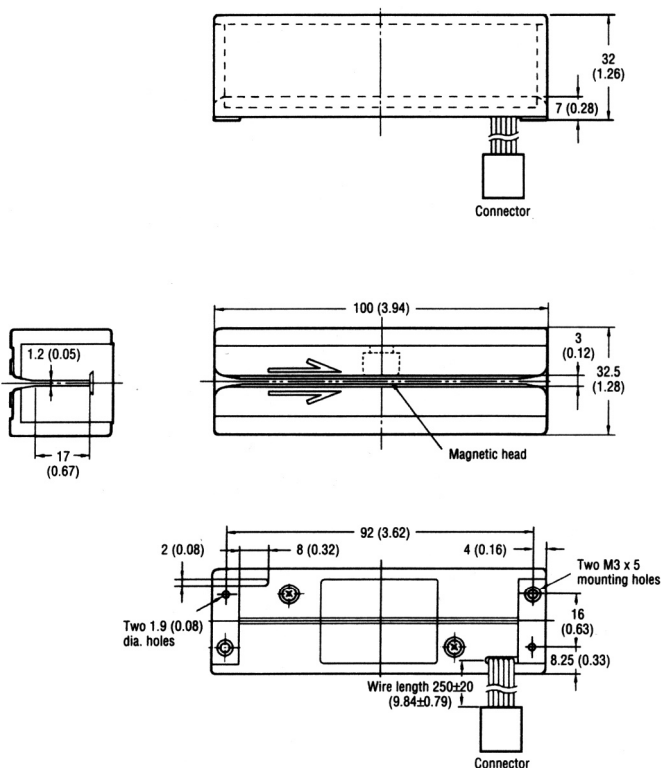
Ordering Information

Part number	Tracks	Enclosure
3S4YR-HSR4	2	Enclosed
3S4YR-HSR4-01	2	No cover
3S4YR-HSR5	3	Enclosed
3S4YR-HSR5-01	3	No cover
3S4YR-HSR6	1 & 2	Enclosed
3S4YR-HSR6-001	1 & 2	No cover
3S4YR-HSR7	2 & 3	Enclosed
3S4YR-HSR7-001	2 & 3	No cover

Dimensions [Unit: mm (inch)]

3S4YR-HSR (Enclosed models)

3S4YR-HSR (Open models)



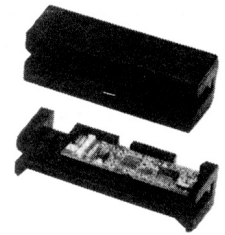
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CARD READERS

HSRN

Features

- Manual swipe reader: Ideal for access control, POS, time/attendance and ID control
- Single or double track configuration available
- Low power consumption
- Modular wire harness accessories
- Universal type enables reading any ISO track by moving head and adjusting slide switches
- TTL interface



Characteristic Data

Power consumption

Single track: 5mA @ 5 VDC

Double track: 10mA @ 5 VDC

Service life 300,000 passes minimum

Card feed speed 10 to 120 cm/sec.

Operating temperature -10°C to +55°C

Ordering Information

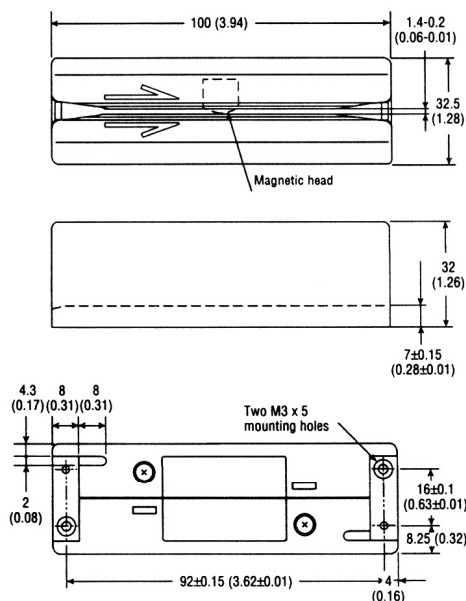
Part number	Type	Tracks	Enclosure
3S4YR-HSR4N-01	Standard	1	No cover
3S4YR-HSR4NU-01	Universal	1, 2 & 3	No cover
3S4YR-HSR6N-01	Standard	1 & 2	No cover
3S4YR-HSR6NU-01	Universal	1 & 2 or 2 & 3	No cover
3S4YR-HSR7N-01	Standard	2 & 3	No cover

Accessories

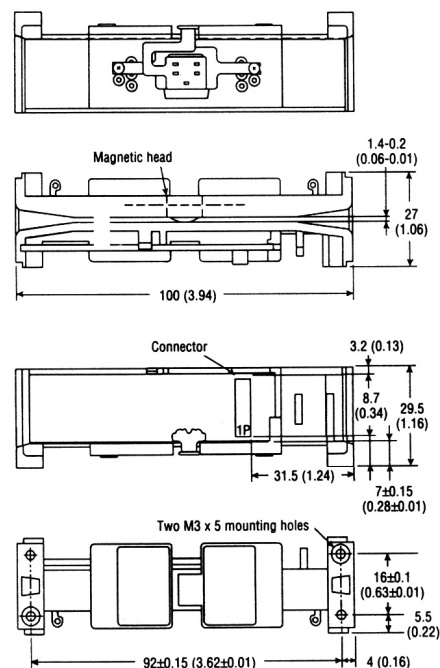
Part number	Description
Cover assy. for HSR	Set of 2 covers
Cable KTI-240	For HSR4N, HSR4NU
Cable KTI-260	For HSR6N, HSR6NU
Cable KTI-261	For HSR7N

Dimensions [Unit: mm (inch)]

3S4YR-HSRN (Enclosed models)



3S4YR-HSRN (Open models)

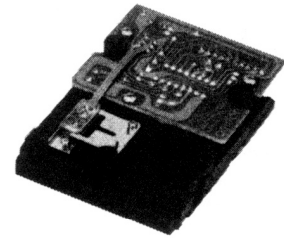


Note: 1. Unless otherwise indicated, tolerance is ± 0.3 (.012).

SBR

Features

- Manual insert reader: Ideal for access controls, time/attendance, ID control, telephone
- Reads 62% of magnetic stripe
- Single or double track available
- Interchangeable housing with SCR
- Capable of reading HiCo in accordance with ISO standard
- Equipped with microswitches for card detection
- TTL interface



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CARD READERS

Characteristic Data

Power consumption 25mA @ 5 VDC

Service life 300,000 passes minimum (round trip)

Card feed speed 10 to 100 cm/sec.

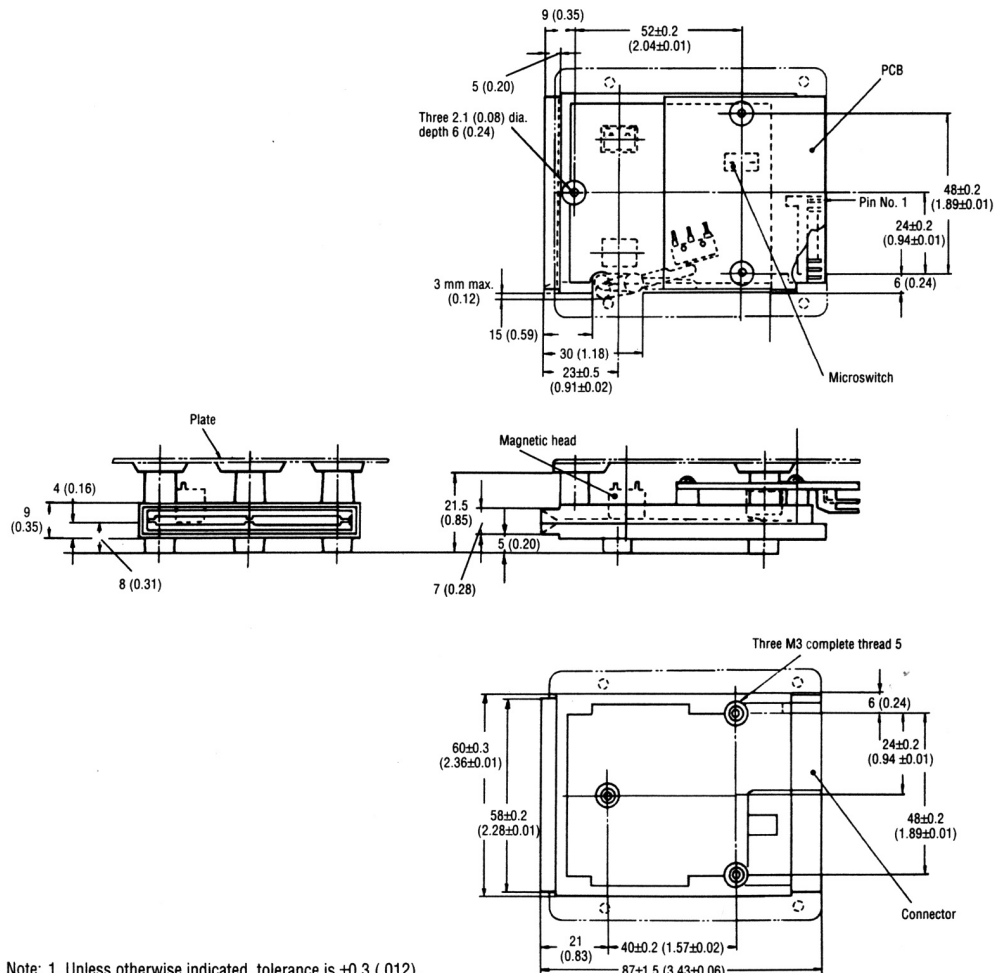
Operating temperature -10°C to +55°C

Ordering Information

Part number	ISO tracks
3S4YR-SBR3-20	1
3S4YR-SBR4-20	2
3S4YR-SBR5-20	3
3S4YR-SBR6-20	1 & 2
3S4YR-SBR7-20	2 & 3

Dimensions [Unit: mm (inch)]

3S4YR-SBR

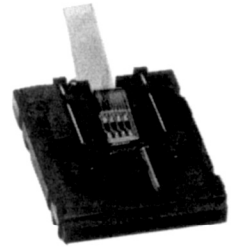


Note: 1. Unless otherwise indicated, tolerance is ±0.3 (.012).

SCR

Features

- Manual insert IC reader: Ideal for access control, time/attendance, ID control, telephone, and vending
- Reads chip cards according to ISO 7816
- Interchangeable with SBR housing
- Card set switch
- Slim profile package
- IC read/write
- TTL interface



Characteristic Data

Card insert force 1 kg max.

Card extract force Approx. 100 g to 500 g

Service life 100,000 passes minimum (roundtrip)

Card feed speed 100 cm/sec. max.

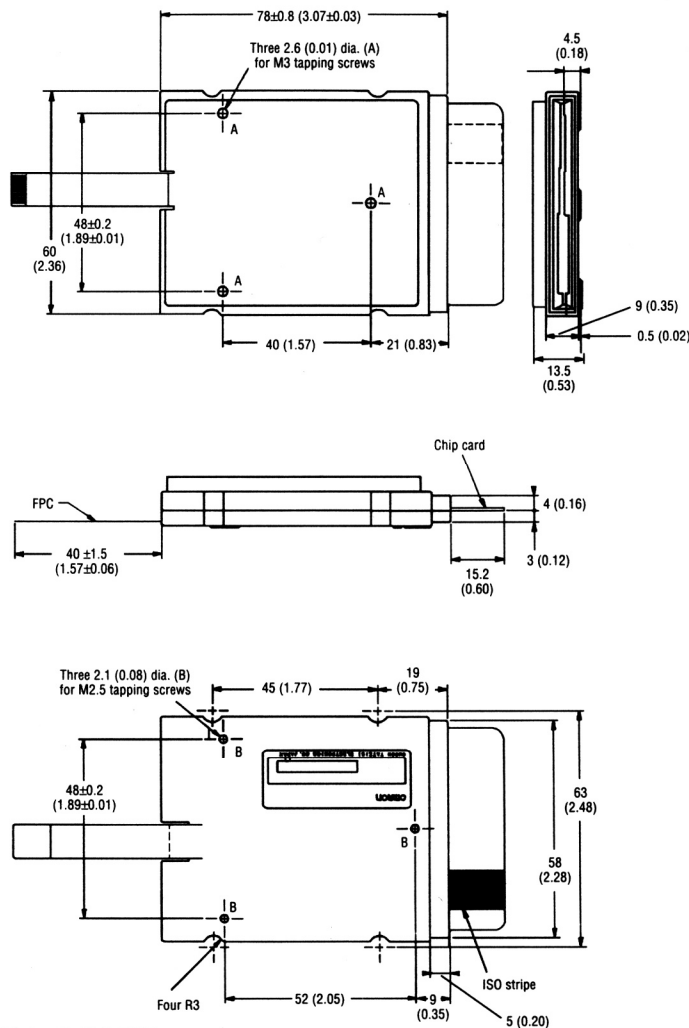
Operating temperature -25°C to +75°C

Ordering Information

Part number	IC type
3S4YR-SCR0J	ISO 7816

Dimensions [Unit: mm (inch)]

3S4YR-SCR

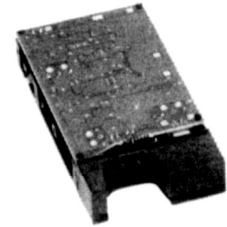


Note: 1. Unless otherwise noted, tolerance is ±0.3 (.012).

SFR

Features

- Manual insert, magnetic stripe, and IC card reader: Ideal for ATM, POS, telephone, vending, and gas pump
- Reads 100% of magnetic stripe
- IC card read/write according to ISO 7816
- Single, double or triple track configuration available
- Solenoid locking mechanism for IC card type
- Compact construction
- TTL interface



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CARD READERS

Characteristic Data

Power consumption 70mA @ 5 VDC

Service life 300,000 passes minimum (roundtrip)

Card feed speed 10 to 100 cm/sec.

Operating temperature -10°C to +55°C

Ordering Information

Part number	Tracks	IC type
3S4YR-SFR0J	—	ISO 7816
3S4YR-SFR1J	1, 2 & 3	ISO 7816
3S4YR-SFR1N	1, 2 & 3	—
3S4YR-SFR4J	2	ISO 7816
3S4YR-SFR4N	2	—
3S4YR-SFR6J	1 & 2	ISO 7816
3S4YR-SFR6N	1 & 2	—
3S4YR-SFR7J	2 & 3	ISO 7816
3S4YR-SFR7N	2 & 3	—

Dimensions [Unit: mm (inch)]

3S4YR-SFR

