



H3-EM Electronic Locking Swinghandle

RFID card reader option · Latch status indicator

Single or multi-point latching

**SEOS
Support**
Now Available

- Remote lock and unlock
- Momentary or continuous lock actuation
- Local monitoring with multi-color LED indicator
- Lock status outputs for remote monitoring
- Industry standard 25x150mm panel prep - kits for other panel preps available
- Integral key lock for manual over-ride
- Options for combined electronic lock and RFID card reader
- Reader recognizes existing employee 125kHz or 13.56 MHz RFID cards
- Multifactor readers available - contact Southco for details

Notes

† See specific latch trade drawings for compatible card types

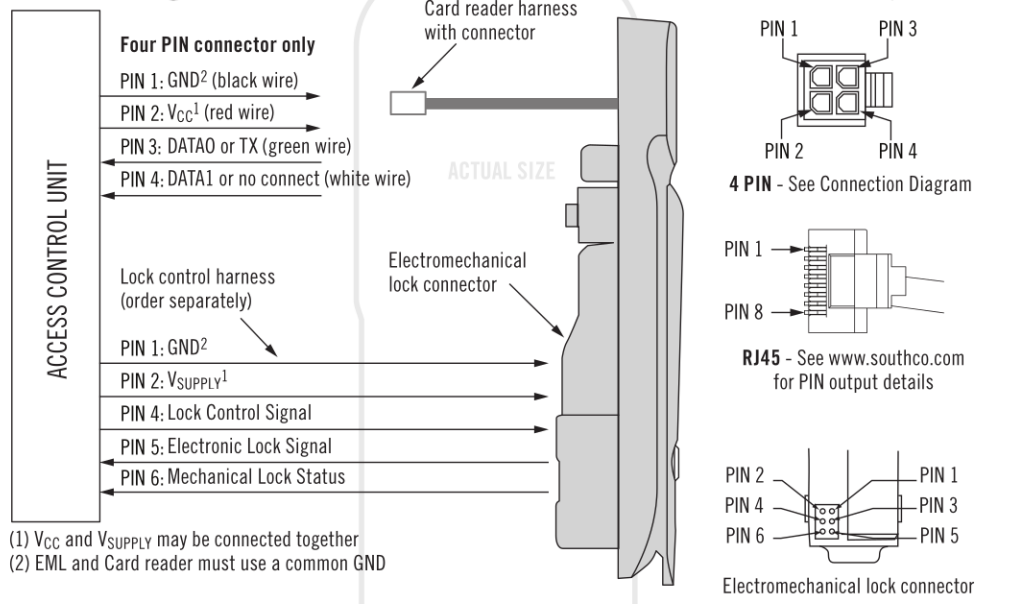
‡ PACS for MIFARE Classic 4k SE only

** MIFARE, MIFARE Classic, MIFARE Plus and MIFARE DESFire are trademarks of NXP B.V.

** HID iCLASS is a registered trademark of HID Global.

*** Remove '-10' for latch without Southco Logo

Connection Diagram



5 Meter* Wire Harnesses (order separately) *Contact Southco for other lengths

Part Number	Latch Output	Termination	For R=
EA-W01-500	From Swinghandle	to Stripped and Tinned End	0
EA-W23-503	From Wiegand or Output Card Reader	to Stripped and Tinned End	2, 6, 8
EA-W01-23-507	From Swinghandle and Card Reader	to Stripped and Tinned End	2, 6, 8
EA-W01-23-507-03	From Swinghandle and Card Reader	to Hirose 8-Pin Connector	2, 6, 8
EA-W01-52-506-52-A	From Swinghandle and Card Reader	to RJ45 Connector	4, 5
EA-W01-52-506-A	From Swinghandle and Card Reader	to Stripped and Tinned End	4, 5

Part Number Selection

H3 - EM - 6 R - LLL

LLL Lock style

- 000 No lock or keys
- 001 Blank lockplug: Bright Chrome
- 003 Blank lockplug: Black powder coat

100 High security DIN lock

- 200 Key code CH751
- 300 Key code RS001 (Multiple RS key codes available)

R Compatible Card Type Default †**

PACS = Physical Access Control System UID = Unique Identifier CSN = Card Serial Number

R	MIFARE® Classic 4k	MIFARE Plus® 2k	MIFARE® DESFire® 4k	HID® iCLASS	HID® 125kHz Prox	EM 125kHz Prox	Wiegand	4 PIN	RJ45
2	UID	UID	UID	UID	CSN		✓	✓	
4	UID / PACS‡	UID	UID	PACS			✓		✓
5	UID / PACS‡	UID	UID	PACS	CSN	CSN	✓		✓
6	UID	UID	UID	UID			✓	✓	
8					CSN		✓	✓	
0	Without Card Reader								

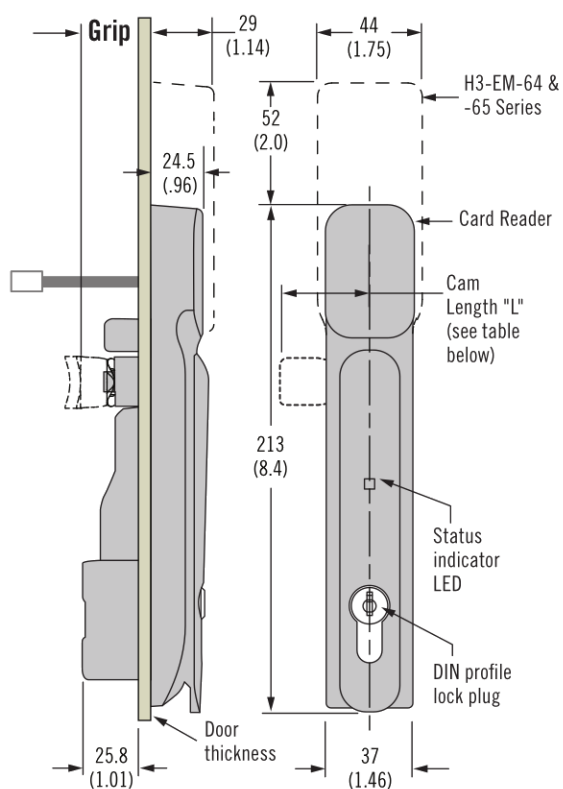


Card Part Numbers

- EA-C1-011-9 (EM 125 kHz Prox card, 26 bit, 1.8 (0.07) thick)
- EA-C2-021-9 (HID® 125kHz card, 26bit, 1.8 (0.07) thick)**
- EA-C3-101-9 (MIFARE® Classic 1k card, 4B CSN, 0.8 (0.03) thick)**

Dimensions in millimeters (inch) unless otherwise stated

Swinghandle with Card Reader



Material & Finish

Glass-filled nylon, PC/ABS
(UL94-V0)

Shaft, rotation limiter: Die-cast zinc,
bright sealer

Electronic Swinghandle

Recommended operating voltage:
12VDC to 24VDC

Typical operating current:

Less than 200mA at 12VDC

Peak / stall operating current: 1 Amp

Standby current: 50mA Max

Output Signal: 100mA Max load

Card Reader Module

Supply voltage: 12VDC to 24VDC

H3-EM-62 Series Only at
12VDC $\pm$ 10%

Operating current: 200mA Max

To Order:

Everything required to install
your Southco handle is
included in these kits

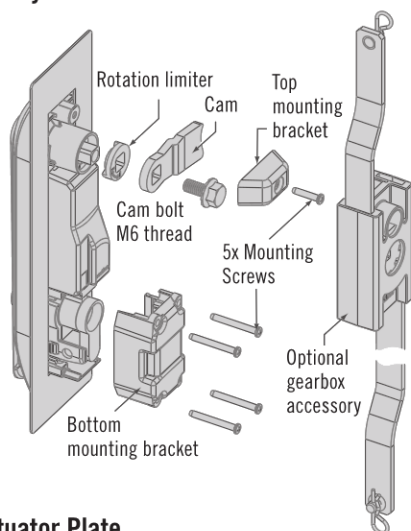
546-SCO-KT2
(with lock, no PDU)

546-SCO-KT4
(with lock, using iPDU)

546-SCO-KT6
(without lock, no PDU)

546-SCO-KT8
(without lock, using iPDU)

Rod Systems



Actuator Plate

Rod System Part Numbers (order separately)†

H3-61-55-33	Left Hand Gearbox (CCW to open)
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† For multi-point systems, select either the right or left hand gear box part number and rod adaptor (2 per door) part numbers or the actuator plate part number from table, then visit www.southco.com/A5 for rod selection.

