

6. General Specifications:

ELECTRICAL:

Voltage	Operating Current	Maximum Current
24 V DC	2.0 A (max)	4.0 A

Use CSA or UL approved power supply with current limiting.

OPERATING TEMPERATURE: 0 to +60 degrees Celsius

WEIGHT: 18.2 kg (without cashbox)

CASHBOX: 1.8 kg

FEATURES: Multi-Width Validating Head
Plastic validator bezel, running light, plastic dispenser bezel

ENCLOSURE: User Guide and Software description
Lock kit – Cashbox to housing - OPT-MKFL-FLH1
Lock kit – Chassis – Camlocks - OPT-MKTBB-LOCK
Kit - Grounding connection - OPT-MKBB-GND
Wiring Harness OPT-HS-BB-CCNET

OPTIONAL:

Mounting Kit for Lock Installation OPT-MKTBB-LOCK1

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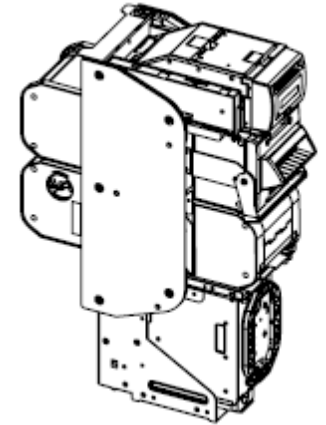
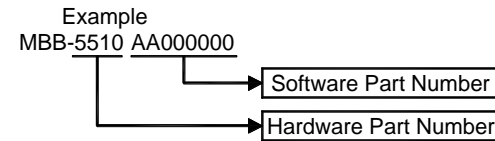
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Bill to Bill Currency Management System

PART NO: TBB-1320

The Part Number on the Label includes Hardware Part Number and Software Part Number.



1. Contents

Unit	Part No	Description
Validating Head	MFLV-9013	With Multi-width Centering Mechanism
Sense-A-Click	FLS-1706	FLS-1706U, FLS-1706L Sensor Packs
Bezel	MFLB-4017	Plastic Validator Bezel, Running Light
Power Interface	BBP-5713	24V DC, RS-232
Recycling Cassette	BBR-0110	Regular, 3 units
Chassis	BBC-0310	Holds recycling/dispensing cassettes, path switch
Housing	BBH-3520	Top Dispenser
Dispensing Cassette	BBD-0710	Plastic bezel
Path Switch	BBS-0110	Routes bills
Power Interface	FLP-5711	24V DC

2. DIP Switch Setting:

DIP switches may be accessed by removing the Validating Head and opening the transparent cover at the rear. See Software Description for correct denominations and settings.

SW No.1	ON State	OFF State	Default
SW 1.1	Bill Type 1 Enable	Bill Type 1 Disable	ON
SW 1.2	Bill Type 2 Enable	Bill Type 2 Disable	ON
SW 1.3	Bill Type 3 Enable	Bill Type 3 Disable	ON
SW 1.4	Bill Type 4 Enable	Bill Type 4 Disable	ON
SW 1.5	Bill Type 5 Enable	Bill Type 5 Disable	ON
SW 1.6	Bill Type 6 Enable	Bill Type 6 Disable	ON
SW 1.7	Bill Type 7 Enable	Bill Type 7 Disable	ON
SW 1.8	Bill Type 8 Enable	Bill Type 8 Disable	ON

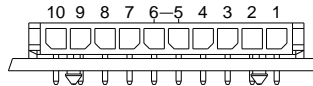
SW No.2	ON State	OFF State	Default
SW 2.1	Four Way	One Way	ON
SW 2.2	High Acceptance	High Security	ON
SW 2.3	9 600 bps	19 200 bps	ON
SW 2.4	Service	Host Communication	OFF

3. Interface Connector Pinout:

Mating Connector:

Socket 43645-1000 (Molex)

Contact 43030-0008 (Molex)



Terminal	Circuit
1	+ 24 V DC
2	+ 24 V DC
3	0 V DC
4	0 V DC
5	GND
6	GND
7	TxD
8	RxD
9	
10	COMM GND

4. Diagnostics:

Chart below lists the validator malfunctions, as indicated by the flashing bezel light:

No. of Consecutive Flashes	Malfunction
1 Green/ Red	COM Port CRC error
2 Green/ Red	Internal CRC error
3 Green/ Red	Improper Memory Stick
4 Green/ Red	Memory Stick is absent
5 Green/ Red	Improper type of Memory Stick
6 Green/ Red	Download error

5. Grounding:

1. Ground terminal must be connected to the host machine ground.
2. Use Mounting Kit OPT-MKBB-GND.
3. Connect grounding cable to screw shown. A copper wire of 14 - 12 AWG may also be used.

