

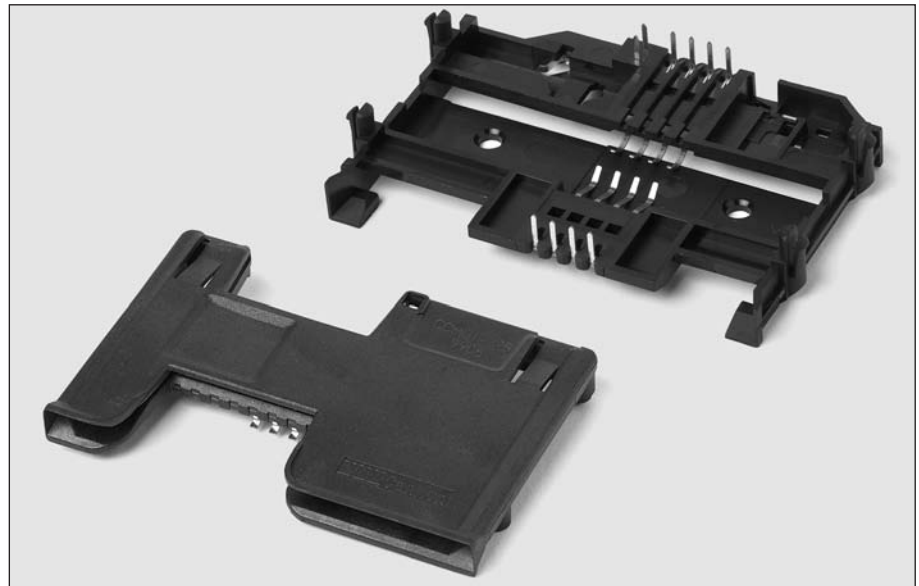
In addition to the CCM01 MKI design, featuring blade switches, Cannon offers the MKII and MKIII series.

For applications where space is limited, the MKII provides significant space savings. The MKII features an extremely compact design integrating sealed switch. The SMT version is designed for pick and place compatibility.

The MKIII family is the perfect cost effective solution in standard or reverse card reading.

Applications:

- Set-Top Boxes
- Electronic Fund Transfer
- Payphone
- E-Commerce
- Biometrics



For more information: www.ittcannon.com/cat208

New

Product Features

CCM01 MKI

- 8 through hole contacts.
- Normally closed blade switch.
- Snap in board locks.

CCM01 MKII

- 8 through hole or SMT contacts.
- Normally open sealed switch.
- Variable card insertion force.
- Space saving design.
- 100,000 operations.
- Designed according to EMV*.

CCM01 MKIII

- 8 through hole contacts.
- Normally closed blade switch protected against assembly mishandling.
- Standard, reverse or double card reading capabilities.
- Designed according to NDS and EMV.

Performance Specifications

	CCM01 MKI	CCM01 MKII	CCM01 MKIII
Card Detection Switch	Normally closed, Unsealed blade	Normally open, Sealed against dust	Normally closed, Unsealed blade
Card Extraction Force	1 N min./10 N max.	1 N min./10 N max. or 4 N max.	1 N min./10 N max.
Card Insertion Force	10 N max.	10 N max.	10 N max.
Connector Durability	10,000 mating cycles min.	100,000 mating cycles min.	30,000 mating cycles min.
Contact Current Rating	10 μ A min./1 A max.	10 μ A min./1 A max.	10 μ A min./1A max.
Contact Dielectric Strength	750 V ac rms min.	750 V ac rms min.	750 V ac rms min.
Contact Force	0.2 N min./0.6 N max.	0.25 N min./0.5 N max.	0.2 N min./0.6 N max.
Contact Insulation Resistance	1,000 M Ω min.	1,000 M Ω min.	1000 M Ω min.
Contact Resistance	100 m Ω max.	100 m Ω max.	100 m Ω max.
Number of Circuits	8	8	8
Operating Temperature	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)	-20°C to 70°C (-4°F to 158°F)
Switch Contact Resistance	100 m Ω max.	100 m Ω max.	100 m Ω max.
Switch Current Rating	1 mA min./10 mA max.	1 mA min./10 mA max.	1 mA min./10 mA max.
Switch Dielectric Strength	250 V ac rms min.	250 V ac rms min.	250 V ac rms min.
Switch Power	0.2 VA max.	0.2 VA max.	0.2 VA max.

Materials and Finishes

Description	CCM01 MKI	CCM01 MKII	CCM01 MKIII
Contact	Copper Alloy; Contact Area: Gold over Nickel	Copper Alloy; Contact Area: Inlay	Copper Alloy; Contact area: Gold over Nickel
Insulator	Thermoplastic, UL 94V-0	High Temp. Thermoplastic, UL 94V-0	Thermoplastic, UL 94V-0
Card Detection Switch	Copper Alloy	Stainless Steel and Copper Alloy	Copper Alloy

Please contact your local Cannon representative: www.ittcannon.com/support/ContactUs

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