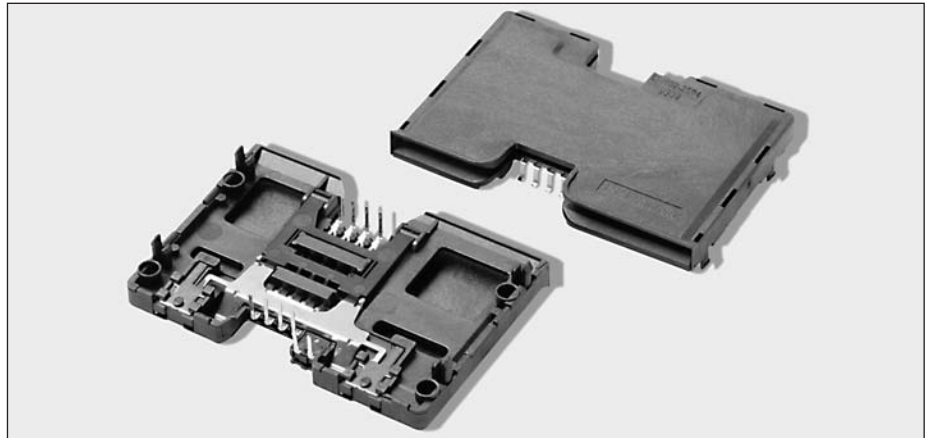


With more than 500,000 mating cycles, our exclusive landing technology extends the interconnect life, by having only a minimal contact wiping action. Integrating the ultra-low profile sealed switch, the MKII is the most compact long lasting solution. SMT versions are pick and place compatible.

Applications:

- Point-of-Sales (POS) Terminal
- Transaction
- ID Security
- Computer Peripherals



 For more information: www.itcannon.com/cat209

Product Features

CCM02 MKI

- 8 through hole contacts.
- Normally open sealed switch.
- Standard or narrow design.
- Extended cover option on narrow design.

CCM02 MKII

- 8 through hole or SMT contacts.
- Normally open sealed switch.
- Space saving design.
- 500,000 operations.
- Designed according to EMV*.

Performance Specifications

	CCM02 MKI	CCM02 MKII
Card Detection Switch	Normally open, Sealed against dust	Normally open, Sealed against dust
Card Extraction Force	1 N min./10 N max.	1 N min./10 N max.
Card Insertion Force	10 N max.	10 N max.
Connector Durability	100,000 mating cycles min.	500,000 mating cycles min.
Contact Current Rating	10 μ A min./1 A max.	10 μ A min./1 A max.
Contact Dielectric Strength	750 V ac rms min.	750 V ac rms min.
Contact Force	0.15 N min./0.35 N max.	0.25 N min./0.5 N max.
Contact Insulation Resistance	1,000 M Ω min.	1,000 M Ω min.
Contact Resistance	100 m Ω max.	100 m Ω max.
Number of Circuits	8	8
Operating Temperature	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)
Switch Contact Resistance	100 m Ω max.	100 m Ω max.
Switch Current Rating	1 mA min./10 mA max.	1 mA min./10 mA max.
Switch Dielectric Strength Card Detection Switch	250 V ac rms min.	250 V ac rms min.
Switch Power	0.2 VA max.	0.2 VA max.

Materials and Finishes

Description	CCM02 MKI	CCM02 MKII
Contact	Copper Alloy; Contact Area: Gold over Nickel	Copper Alloy; Contact Area: Inlay
Insulator	Thermoplastic, UL 94V-0	High Temp. Thermoplastic, UL 94V-0
Card Detection Switch	Stainless Steel and Copper Alloy	Stainless Steel and Copper Alloy
Spring	Stainless Steel	Stainless Steel

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

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