

# Amphenol

Amphenol-Tuchel Electronics GmbH

Data sheet

## C702E XXS Wiping, NC switch

Part No. C702 10M008 230 40

Series Smart Card Connectors

Subseries Smart Card Connector C702E



COMMON CHARACTERISTICS		
Contact position		ISO
Contact method		gleitende Kontakte
Function		Chip card reader
ELECTRICAL CHARACTERISTICS		
Contact resistance	IEC 60512-2, Test 2a	Data contacts $\leq 30 \text{ m}\Omega$ Switch contacts $\leq 50 \text{ m}\Omega$
Insulation resistance	IEC 60512-3, Test 3a	$\geq 10^9 \Omega$
Voltage proof	IEC 60512-2, Test 4a	500 V
CLIMATICAL CHARACTERISTICS		
Operating temperature	ohne Betauung	-25 °C ... +70 °C
Storage temperature		-40 °C ... +85 °C
Climatic category	DIN EN 60068-1 / IEC 60068-1	25 / 70 / 21
MECHANICAL CHARACTERISTICS		
Card extraction force	IEC 60512-7, Test 13b	$\leq 5 \text{ N}$
Card insertion force	DIN EN 60512-13-2, Test 13b / IEC 60512-13-2, Test 13b	$\geq 1 \text{ N}$
Mechanical lifetime	IEC 60512-5, Test 9a (without corrosion stress)	100.000 mating cycles
Vibration	IEC 0512-6-4, Test 6d	f = 10 ... 60 Hz; 0,35 mm DA f = 60 ... 500 Hz; a = 2,5 g 2 h / Axis
Shock, without disconnection	IEC 60512-4, Test 6c	$\leq 40 \text{ g}$ ; 11 ms; halfsine 3 shocks / direction in 3 axis
Shock, without destruction	IEC 60512-6-3, Test 6c	200 g; 6 ms; halfsine; 2 shocks / direction in 3 axis
SWITCH		
EMV switch		normally closed
Switch sequence		The card presence switch is activated after the data contacts have mated with the contact field and before the card reaches its final position.
Chattering time		$\leq 5 \text{ ms}$

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