

# MSC MicroSealedConnector

Robust and Ready for  
the Toughest Conditions



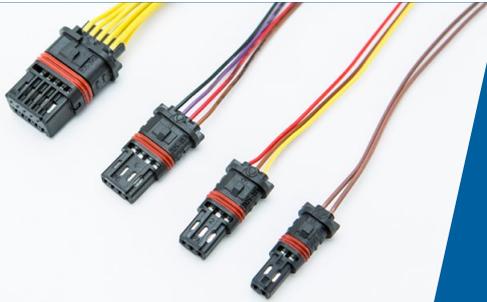
HIRSCHMANN  
AUTOMOTIVE

# PRODUCT OVERVIEW MSC CONNECTOR FAMILY

Hirschmann Automotive is meeting the requirements of automotive manufacturers for extremely compact and technically most demanding electrical connectors with the MSC family.

The MSC – Micro Sealed Connector – family is a standard product. Development periods for new numbers of poles and technical tool implementation are thus shortened dramatically.

This connector can be used in a diverse range of applications in vehicles thanks to its miniaturized design and robustness.



## Characteristics:

- miniature in 2.54 mm pitch
- vibration-resistant
- mechanically very stable thanks to overmolding
- no caps necessary to protect against environmental influences
- tension relief
- watertight

## TECHNICAL PRODUCT INFORMATION

### Technical Parameters

- intended installation area: body/engine compartment
- operating temperatures: -40°C to +130°C depending on wire insulation material and application

### Electrical Parameters

- 1.2 mm contact system
- contact surface: tin, silver, gold
- current capacity (maximum values of contact system)
- derating: 20 A / 80° C
- sn surface: 17/14 A

Higher currents are approved depending on OEM. Maximum permissible currents must be assessed in combination with the conductor cross-sections used.

### Minimum Coupling Retention Force in the Receptacle

- frictional connection: > 60 N

### Usable Cable Cross Section

- 0.14 to 0.75 mm<sup>2</sup> (FLR)
- wire insulating material is selected according to requirement profile

### Tests According to AK Requirement Specifications

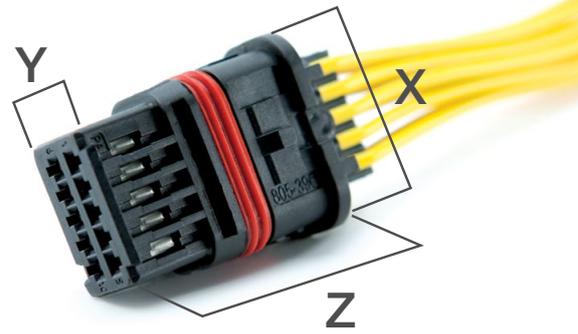
- PG 7 Retention force and functional safety of housings
- PG 17A Dynamic loading
- PG 19 Environmental simulation
- PG 20A Climatic loading of housings
- PG21A Long-term temperature storage
- PG 22B Chemical resistance, extended test
- PG 23 Watertightness

## 1 ROW MSC PRODUCT FAMILY 1.2 MM / 2 TO 6 WAY VERSIONS

CAVITIES	2	3	4	8
X	11.0	13.5	16.0	26.6
Y	8.5	8.5	8.5	9.0
Z	28.0	28.0	28.0	28.0
SOCKET HOUSING	805-183-...	805-185-...	805-187-...	807-999-...
PIN HOUSING	805-184-...	805-186-...	805-188-...	-

## 2 ROW MSC PRODUCT FAMILY 1.2 MM

CAVITIES	10
X	21.5
Y	13.5
Z	33.0
SOCKET HOUSING	805-396-...
PIN HOUSING	805-397-...



## OPTIONAL PRODUCTS ON REQUEST

### 1 ROW

CAVITIES	5	6
X	19.0	21.5
Y	9.0	9.0
Z	28.0	28.0

### 2 ROW

CAVITIES	4	6	8	12
X	13.5	16.0	18.5	24.5
Y	13.0	13.0	13.0	13.5
Z	33.0	33.0	33.0	33.0

CAVITIES	14	16	18	20
X	27.0	30.0	32.5	35.0
Y	13.5	13.5	13.5	13.5
Z	33.0	33.0	33.0	33.0

## INTERFACE DRAWINGS

CAVITIES	2-4 5-8	10
ROWS	1	2
DRAWING NO.	808-027-...-00 808-047-...-00	808-139-...-00

## HOLDER FOR PIN HOUSING

CAVITIES	2-4
ROWS	1
DRAWING NO.	808-028-...-00

SEEKING MORE DETAILED INFORMATION?  
SCAN ME AND VISIT OUR WEBSITE.



Contact our Sales Team  
for Individual Questions

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