

MSC MicroSealedConnector

Robust and Ready for
the Toughest Conditions



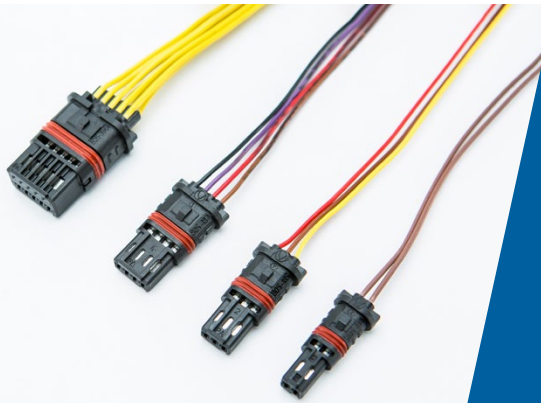
HIRSCHMANN
AUTOMOTIVE

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:

The MSC can be used in a diverse range of applications in vehicles thanks to its miniaturized design and robustness. Furthermore, they have a variety of other positive features:

- watertight
- miniature with 2.54 mm pitch combined with a 1.2 terminal
- vibration-resistant
- mechanically very stable thanks to overmolding
- no caps necessary to protect against environmental influences
- tension relief

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 mm² (FLR)
- wire insulating material is selected according to requirement profile

Tests According to AK Requirement Specifications

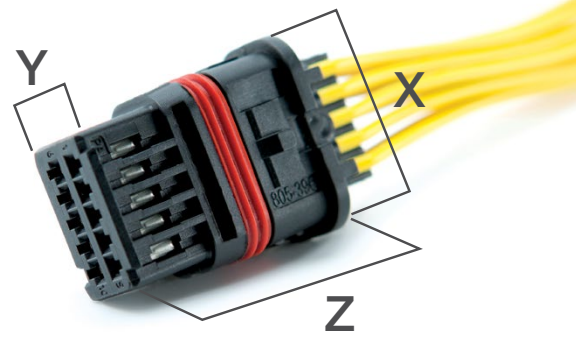
- PG 7 Retention force and functional safety of housings
- PG 17A Dynamic loading
- PG 19 Environmental simulation
- PG 20A Climatic loading of housings
- PG 21A Long-term temperature storage
- PG 22B Chemical resistance, extended test
- PG 23 Watertightness

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.



**Johannes Ulrich is your Contact
for Individual Questions**

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