

MSC MicroSealedConnector

Designed for a Wide Range of Vehicle
Applications with Miniaturized Design &
Exceptional Robustness

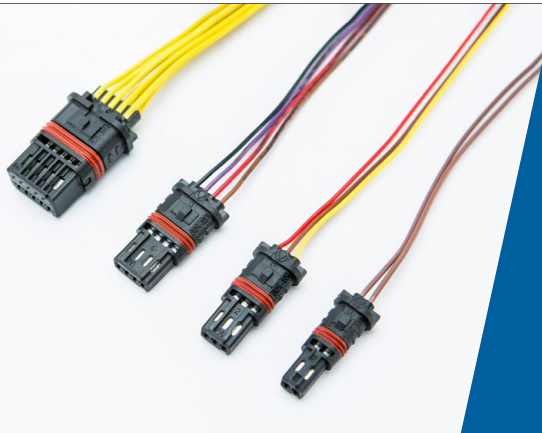


HIRSCHMANN
AUTOMOTIVE

PRODUCT OVERVIEW MSC CONNECTOR FAMILY

Delivering innovative solutions for automotive manufacturers, the MSC MicroSealed connector family is designed for extreme compactness and stability. With a 2.54 mm pitch, this pigtail product is manufactured using an innovative overmolding process, ensuring superior durability and protection.

Thanks to its miniaturized design and robust construction, this connector is versatile and suitable for a wide range of vehicle applications.



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

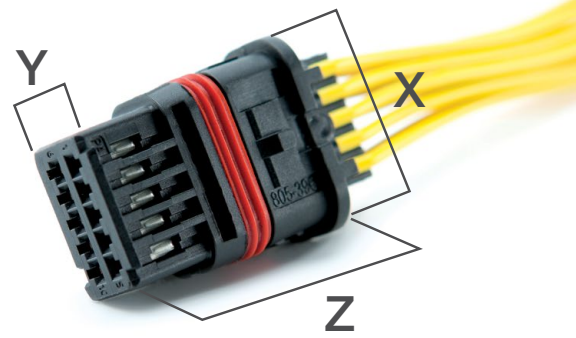
- PG 7 Retention force and functional safety of housings
- PG 17A Dynamic loading
- PG 19 Environmental simulation
- PG 20A Climatic loading of housings
- PG 21A Long-term temperature storage
- PG 22B Chemical resistance, extended test
- PG 23 Watertightness

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 ROWS 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 ROWS

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**

Global Product Manager Low Voltage



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