

# Product Compliance Declaration

Please see [www.molex.com](http://www.molex.com) for the most up-to-date information.

## Contact Information

**Name** Molex Product Compliance **E-Mail** Product.Compliance@molex.com

## Part Information

**Part Number** 0345660803 **Part Weight** 51.274G

**Part Name** MX123 HRN CONN ASSY 80 CKT OPT0 KEY H/80

## Product Composition

| Name   | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| MX123 HRN CONN ASSY 80 CKT OPT0 KEY H/80               | Assembly  |            | 100                  | 51.274       |
| MX123 HSG 80 CKT OPT0 KEY H                            | Component |            | 51.4881              | 26.4         |
| PA66+PS GF BLACK                                       | Material  |            | 51.4881              | 26.4         |
| PS   | Substance |            | 10.8125              | 5.544        |
| PA66   | Substance |            | 17.2485              | 8.844        |
| Further Additives, not to declare                      | Substance | system     | 4.8914               | 2.508        |
| Carbon black   | Substance | 1333-86-4  | 0.5149               | 0.264        |
| GF-Fibre   | Substance |            | 18.0208              | 9.24         |
| MX RING SEAL / CKT                                     | Component |            | 2.7421               | 1.406        |
| VMQ  | Material  |            | 2.7421               | 1.406        |
| Diiron-trioxide  | Substance | 1309-37-1  | 0.0137               | 0.00703      |
| Siloxanes and silicones, di-Me, vinyl group-terminated | Substance | 68083-19-2 | 0.0274               | 0.01406      |
| VMQ  | Substance |            | 2.701                | 1.38491      |

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| Name   | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| MX123 TPA 80 CKT OPT0 ST GRY KEY H                               | Component |            | 9.2796               | 4.758        |
| PA66+PS GF STONE GRAY  | Material  |            | 9.2796               | 4.758        |
| PS   | Substance |            | 2.2735               | 1.16571      |
| PA66   | Substance |            | 2.9695               | 1.52256      |
| Further Additives, not to declare                                | Substance | system     | 0.8816               | 0.45201      |
| Zinc sulphide  | Substance | 1314-98-3  | 0.1856               | 0.09516      |
| GF-Fibre   | Substance |            | 2.9695               | 1.52256      |
| MX GROMMET SEAL CKT RUST RED                                     | Component |            | 7.3917               | 3.79         |
| VMQ  | Material  |            | 7.3917               | 3.79         |
| VMQ  | Substance |            | 4.2642               | 2.186451     |
| Siloxanes and Silicones, di-Me, Me vinyl, vinyl group-terminated | Substance | 68083-18-1 | 2.8088               | 1.4402       |
| Silicon dioxide  | Substance | 7631-86-9  | 0.037                | 0.01895      |
| Siloxanes and silicones, di-Me, Me Ph                            | Substance | 63148-52-7 | 0.2291               | 0.11749      |
| Synthetic iron oxide (Fe2O3)                                     | Substance | 1332-37-2  | 0.0525               | 0.026909     |
| MX123 GROMMET CAP 80 CKT OPT0 NO OPEN                            | Component |            | 9.9154               | 5.084        |
| PA66+PS GF BLACK   | Material  |            | 9.9154               | 5.084        |
| PS   | Substance |            | 2.0822               | 1.06764      |
| PA66   | Substance |            | 3.3216               | 1.70314      |
| Further Additives, not to declare                                | Substance | system     | 0.942                | 0.48298      |
| Carbon black   | Substance | 1333-86-4  | 0.0992               | 0.05084      |
| GF-Fibre   | Substance |            | 3.4704               | 1.7794       |
| MX123 SLIDE L 73/80 CKT BLK                                      | Component |            | 3.8499               | 1.974        |
| PBT+PTFE GF BLACK  | Material  |            | 3.8499               | 1.974        |
| PBT  | Substance |            | 1.9936               | 1.022189     |
| PTFE   | Substance |            | 0.5741               | 0.294383     |
| Carbon black   | Substance | 1333-86-4  | 0.0552               | 0.028323     |
| GF-Fibre   | Substance |            | 1.2269               | 0.629106     |
| MX123 SLIDE R 73/80 CKT BLK                                      | Component |            | 3.8499               | 1.974        |

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| Name                                  | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|---------------------------------------|-----------|------------|----------------------|--------------|
| PBT+PTFE GF BLACK                     | Material  |            | 3.8499               | 1.974        |
| PBT                                   | Substance |            | 1.9936               | 1.022189     |
| PTFE                                  | Substance |            | 0.5741               | 0.294383     |
| Carbon black                          | Substance | 1333-86-4  | 0.0552               | 0.028323     |
| GF-Fibre                              | Substance |            | 1.2269               | 0.629106     |
| MX123 CPA                             | Component |            | 0.5051               | 0.259        |
| PA66+PPE GF RED                       | Material  |            | 0.5051               | 0.259        |
| PPE+PA66-I                            | Substance |            | 0.43                 | 0.220474     |
| GF-Fibre                              | Substance |            | 0.0534               | 0.027389     |
| Titanium-dioxide                      | Substance | 13463-67-7 | 0.0048               | 0.002437     |
| Further Additives, not to declare     | Substance | system     | 0.0124               | 0.006369     |
| Pigment portion, not to declare       | Substance | system     | 0.0045               | 0.002331     |
| MX123 MATE ASSIST LEVER 73/80 CKT BLK | Component |            | 10.9783              | 5.629        |
| PA66+PS GF BLACK                      | Material  |            | 10.9783              | 5.629        |
| PS                                    | Substance |            | 2.3054               | 1.18209      |
| PA66                                  | Substance |            | 3.6777               | 1.885715     |
| Further Additives, not to declare     | Substance | system     | 1.0429               | 0.534755     |
| Carbon black                          | Substance | 1333-86-4  | 0.1098               | 0.05629      |
| GF-Fibre                              | Substance |            | 3.8424               | 1.97015      |

## ROHS Declaration Information

**Regulatory Revision** EU 2015/863

**Compliance Status** Compliant

### Contained Substances Exceeding Threshold

None

### Exemptions

None

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## REACH-SVHC Declaration Information

Regulatory Revision D(2020)4578-DC (25 June 2020)

### Contained Substances Exceeding Threshold

None

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## GADSL Declaration Information

Regulatory Revision GADSL imported from IMDS

### Contained Substances Exceeding Threshold

| Substance Group | Substance Location    | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|-----------------|-----------------------|-----------------|---------------------|---------------------|
| Zinc sulphide   | PA66+PS GF STONE GRAY | *Note           | 20,000              | Yes                 |
| Glass fibres    | PA66+PS GF BLACK      | *Note           | 350,000             | Yes                 |
| Glass fibres    | PBT+PTFE GF BLACK     | *Note           | 350,000             | Yes                 |
| Glass fibres    | PA66+PPE GF RED       | *Note           | 105,750             | Yes                 |

\*Note: For GADSL substance declarable/prohibited threshold values, please reference <http://www.gadsl.org/>

### Exemptions

None

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## HFLH Declaration Information

Regulatory Revision IEC 61249-2-21


### Contained Substances Exceeding Threshold

None

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## China ROHS Declaration Information

| Part Number                              | 0345660803                                  |  | <b>Hazardous Substances</b> |         |               |     |      |
|--|---|---|-----------------------------|---------|---------------|-----|------|
| Part Name                                | MX123 HRN CONN ASSY 80 CKT<br>OPT0 KEY H/80 |   |                             |         |               |     |      |
| Part Information                         |   |   |                             |         |               |     |      |
| Components                               |   | Lead  | Mercury                     | Cadmium | Hex. Chromium | PBB | PBDE |
| MX123 HRN CONN ASSY 80 CKT OPT0 KEY H/80 |   | ○   | ○                           | ○       | ○             | ○   | ○    |
| MX123 HSG 80 CKT OPT0 KEY H              |   | ○   | ○                           | ○       | ○             | ○   | ○    |
| MX RING SEAL / CKT                       |   | ○   | ○                           | ○       | ○             | ○   | ○    |
| MX123 TPA 80 CKT OPT0 ST GRY KEY H       |   | ○   | ○                           | ○       | ○             | ○   | ○    |
| MX GROMMET SEAL CKT RUST RED             |   | ○   | ○                           | ○       | ○             | ○   | ○    |
| MX123 GROMMET CAP 80 CKT OPT0 NO OPEN    |   | ○   | ○                           | ○       | ○             | ○   | ○    |
| MX123 SLIDE L 73/80 CKT BLK              |   | ○   | ○                           | ○       | ○             | ○   | ○    |
| MX123 SLIDE R 73/80 CKT BLK              |   | ○   | ○                           | ○       | ○             | ○   | ○    |
| MX123 CPA                                |   | ○   | ○                           | ○       | ○             | ○   | ○    |
| MX123 MATE ASSIST LEVER 73/80 CKT BLK    |   | ○   | ○                           | ○       | ○             | ○   | ○    |

## Process Information

|                                      |     |
|--------------------------------------|-----|
| Component Plating / Surface Finish   | N/A |
| Termination Base Alloy               | N/A |
| Solder Alloy                         | N/A |
| Process Capability                   | N/A |
| Maximum Exposure Time (seconds)      | N/A |
| Maximum Process Temperature (C)      | N/A |
| Maximum Cycles at Reflow Temperature | N/A |
| J-STD-020 Moisture Sensitivity Level | N/A |

Aug 29, 2020

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