

SKF Multilog On-line System WMx Sensor Selection Guide

Battery powered mode

| SKF Multilog WMx in Safe Area | | SKF Multilog WMx in Safe Area, ATEX Zone 2 or Class I Division 2/Zone 2 | | | | | |
|-------------------------------|-----------|---|------------------|--------------------|--------|------------------|--------------------|
| Mode – Sensor – Location | Safe Area | Zone 2 | Zone 2 | Class I Division 2 | Zone 1 | Zone 1 | Class I Division 1 |
| | | ATEX | _c CSA | CSA _{US} | ATEX | _c CSA | CSA _{US} |
| CMSS 786A-IS | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| CMSS 786T-IS | ✓ | ✓ | ✓ | ✓ | | | |
| CMSS 787A-IS | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| CMSS 786F-IS | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| CMSS 786A-D2 | ✓ | ✓ | | | | | |
| CMSS 786T-D2 | ✓ | ✓ | | | | | |
| CMSS 787A-D2 | ✓ | ✓ | | | | | |
| CMSS 786F-D2 | ✓ | ✓ | | | | | |
| CMSS 2100 | ✓ | | | | | | |
| CMSS 2100F | ✓ | | | | | | |
| CMSS 2100-T | ✓ | | | | | | |
| CMSS 2200 | ✓ | | | | | | |

Externally powered mode

| SKF Multilog WMx in Safe Area | | SKF Multilog WMx in Safe Area, ATEX Zone 2 or Class I Division 2/Zone 2 | | | | | |
|-------------------------------|-----------|---|------------------|--------------------|--------|------------------|--------------------|
| Mode – Sensor – Location | Safe Area | Zone 2 | Zone 2 | Class I Division 2 | Zone 1 | Zone 1 | Class I Division 1 |
| | | ATEX | _c CSA | CSA _{US} | ATEX | _c CSA | CSA _{US} |
| CMSS 786A-IS | | | ✓ | ✓ | | | |
| CMSS 786T-IS | | | ✓ | ✓ | | | |
| CMSS 787A-IS | | | ✓ | ✓ | | | |
| CMSS 786F-IS | | | ✓ | ✓ | | | |
| CMSS 786A-D2 | ✓ | ✓ | ✓ | ✓ | | | |
| CMSS 786T-D2 | ✓ | ✓ | ✓ | ✓ | | | |
| CMSS 787A-D2 | ✓ | ✓ | ✓ | ✓ | | | |
| CMSS 786F-D2 | ✓ | ✓ | ✓ | ✓ | | | |
| CMSS 2100 | ✓ | | | | | | |
| CMSS 2100F | ✓ | | | | | | |
| CMSS 2100-T | ✓ | | | | | | |
| CMSS 2200 | ✓ | | | | | | |

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Sensor Connectors and Cables to Zone 2 Installation

CMSS 932-268-S-Y-5M (with accelerometer) two pin connector and 16 feet cable.

CMSS 933-368-S-Y-5M (with accelerometer and temperature sensor) three pin connector and 16 feet cable.

→ The sensor cables are non-isolated. The cable shields are grounded at the sensor side.

The installation restrictions of Zone 2 certification for the sensors require connector/cable assemblies compliant to EN60079-14. The SKF CMSS series connector/cable assemblies conform to this requirement. Any other cable assembly used must comply with EN60079-14.

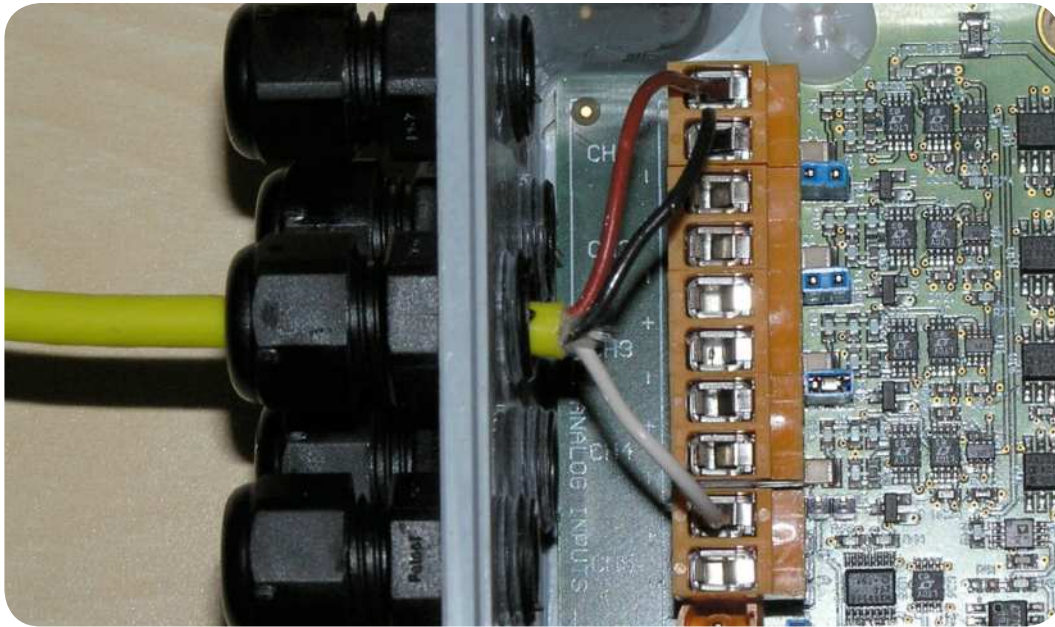


Figure 1.

Typical Accelerometer and Temperature Output Connections.

→ There is no cable shield grounding inside the SKF Multilog WMx. The sensor cable must be non-isolated to ground the cable shield at the sensor side.

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