

Heavy Duty M12 “HDM12”

Rugged HDM12 for ultra-reliable, high-temperature applications



Amphenol LTW presents the robust M12 high-temperature connector, the HDM12. Engineered for commercial applications with elevated vibration and challenging environmental conditions, the HDM12 excels in heavy-duty and harsh surroundings.

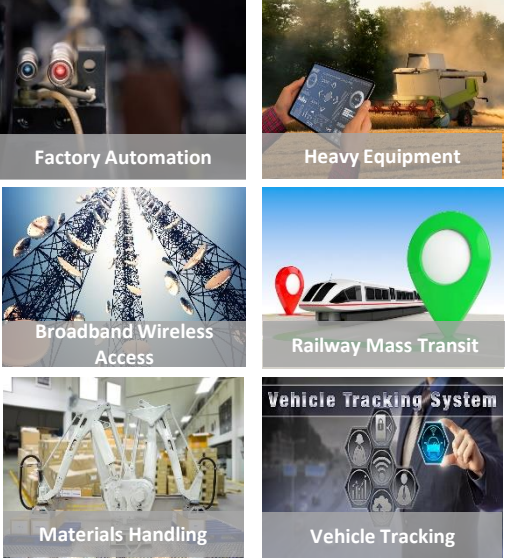
Compliant with IEC 61076-2-101 and SAE J2839 standards, the HDM12 connectors emerge as the ideal solution for ultra-rugged applications prevalent in markets such as Heavy Equipment, Heavy-Duty Automotive, Railway Mass Transit, Factory Automation, and more. Elevate your connectivity reliability in extreme conditions with the durability and performance offered by our HDM12 connectors.



Features and Specification:

| | |
|----------------------|--|
| Current Rating | 4A |
| Voltage Rating | 50 VAC, 60 VDC |
| Temperature Range | -40°C ~ 125°C |
| Waterproof Rating | IP68 (1M/24Hrs) Receptacle: unmated Field Installable: mated |
| Durability | 1000 Cycles |
| Salt Spray | 240h (mated) |
| Cable OD | Ø 4.00mm ~ Ø 7.50mm |
| Vibration Resistance | 20G as per SAE J2839 |
| Mechanical Shock | 50G as per SAE J2839 |
| UL Certified | UL1977 |
| IEC Standard | IEC 61076-2-101 |

Applications:



Part Numbers:

| Field Installable 5 Pin | | | |
|-------------------------|--------------------------------------|-------------------|----------------|
| Gender | Part Number | Termination Style | Backshell |
| Female | HDM12A-05BFFB-SL7001 | Screw-in | Straight |
| Male | HDM12A-05BMMB-SL7001 | | |
| Receptacle 5 Pin | | | |
| Gender | Part Number | Thread | Assembly Style |
| Female | HDM12A-05PFFP-SF8001 | PG9 | PCB 180° |
| | HDM12A-05PFFP-SF8002 | M16 | |
| Male | HDM12A-05PMMP-SF8001 | PG9 | |
| | HDM12A-05PMMP-SF8002 | M16 | |

