

Heavy Duty M12 “HDM12”

Rugged HDM12 for ultra-reliable, high-temperature applications

**NEW
RELEASE**

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	PCB 180°
	HDM12A-05PMMP-SF8002	M16	

