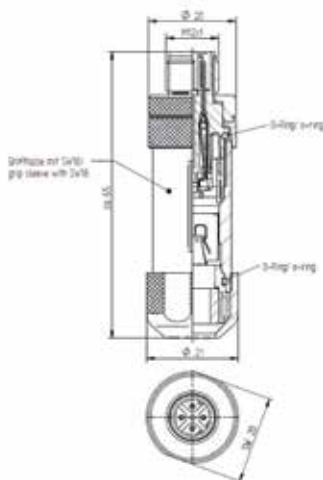
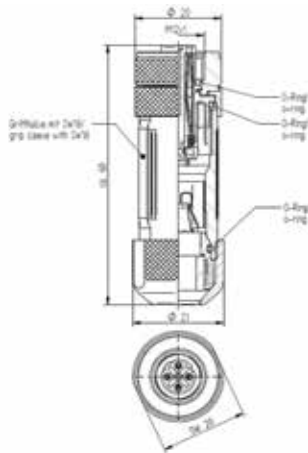


## Ethernet Shieldable Field Attachable Connectors for Railway Applications

4-poles, Female and Male Connectors with Sprint-Type Terminals



Type	0986 EFC 107	0986 EMC 105
Product description	Field attachable connector, M12 female connector with threaded joint, shieldable, assembling with spring-type terminals, 4 poles, D coding.	Field attachable connector, M12 male connector with threaded joint, shieldable, assembling with spring-type terminals, 4 poles, D coding.
Environmental		
Degree of protection	IP 67 (only in locked position with it proper counterparts.)	
Operating temperature range	-40 °C to 90 °C	
Pollution degree	3	
Description		
Order Number	109969	109471
Note	Cat 5 and Cat 5e transmission properties according to ISO IEC 11801 and TIA/EIA-568-B.2. The application of these products in harsh environments should always be checked before use.	
Color housing	Silver	
Number of contacts	4	
Mechanical		
Type of plug-in contact	Male	Female
Thread	M12	
Design of electrical connection	spring-type terminals	
Coding of the M12 round plug	D	
Connectable conductor cross-section multiple wire (without sleeve)	0.14 - 0.50 mm <sup>2</sup>	
connectable conductor cross-section multiple wire (with sleeve)	0.14 mm2	
Materials		
Housing	GD-ZnAl	
Insert / Contact bearer	PBT	
Contact material	stainless steel	
Contact material - Surface refinement	silver-plated and gold-plated	
Knurled screw / nut material	CuZn, nickel-plated	
Sealing material	EPDM	
Shield sleeve	Shield contacting spring: CuBe, tined	
Electrical		
Contact resistance	≤ 5 mΩ	
Nominal current at 40° C	4A at 40°C	
Nominal voltage	60 V	
Rated voltage	250 V	
Test voltage	1.5 kV eff. /60 s	
Insulation resistance	> 1 GΩ	
Approvals		
Approvals	EN 50155, IEC 61373, DIN CLC/TS 50467, DIN CEN/TS 45545, DIN 5510	
RoHS 2002/95/EG compliant	yes	

The application of these products in harsh environments should always be checked before use.  
Specifications subject to alteration.

### Face View

Male



Part number	Order number
0986 EFC 107	109969
0986 EMC 105	109471



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