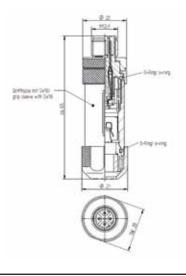
## **Ethernet Shieldable Field Attachable Connectors for Railway Applications**

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







Туре	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, shield- able, 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	$\leq 5  m\Omega$		
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	