

Harsh environment connector - Push the limits

Test the only really corrosion resistant version now!



Advantages

- Complete system salt mist resistant for more than 500 hours¹⁾
- Very robust surface
- No corrosion risk by interference between levers, rivets and surface of die cast
- Also available as IP67 and EMC version
- Very fashionable design

Areas of application

- Wind power
- Railways
- Switchgears
- Construction machinery
- All other outdoor applications

Characteristics

General Characteristics

General Characteristics	Standard	Value
Protection class housing		IP 65
Locking system	DIN EN 175 301-801 (DIN 43 652)	2 locking levers
Salt mist resistance	IEC 60512-11-6:2002	>500 hours ¹⁾

Climatical Characteristics

Climatic category	IEC 60068-1	40/100/21
Temperature range	IEC 60068-1	- 40 °C / + 100 °C
Upper temperature	IEC 60512-6; Test 11 i	+ 100 °C / 1000 h
Lower temperature	IEC 60512-6; Test 11 i	- 40 °C / 16 h

Mechanical Characteristics

Mechanical operation	IEC 60512-5; Test 9 a	500 cycles
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Materials

Housings	DIN EN 175 301-801 (DIN 43 652)	Aluminium die cast alloy, coated
Rubber gasket		EPDM
Locking lever		Steel coated

Order codes

C146 50R006 507 1	hood size 6, low profile with side entry M25 without stud
C146 50R006 607 1	hood size 6, low profile with top entry M25 without stud
C146 50F006 000 1	housing size 6, bulkhead mounting with 1 locking lever
C146 50R010 500 1	hood size 10, low profile with side entry M25 without stud
C146 50R010 600 1	hood size 10, low profile with top entry M25 without stud
C146 50F010 000 1	housing size 10, bulkhead mounting with 2 locking levers
C146 50R016 500 8	hood size 16, high profile with side entry M32 without stud
C146 50R016 600 8	hood size 16, high profile with top entry M32 without stud
C146 50F016 000 1	housing size 16, bulkhead mounting with 2 locking levers
C146 50R024 501 8	hood size 24, high profile with side entry M40 without stud
C146 50R024 601 8	hood size 24, high profile with top entry M40 without stud
C146 50F024 000 1	housing size 24, bulkhead mounting with 2 locking levers

Part numbers for further versions available upon request.

1) Please note: 500h salt mist resistance can be achieved when using a plastic cable gland. When a metal cable gland is required, we recommend to use additionally our special studs on the hoods to achieve this value. Order codes are:

N16 025 0112 5X	Metal stud M25 corrosion resistant
N16 032 0112 5X	Metal stud M32 corrosion resistant
N16 040 0112 5X	Metal stud M40 corrosion resistant

General Information

We reserve the right to change the design due to improvement in quality, development or production requirements. This data sheet must not be used in any form or manner without our prior approval in writing (Copyright Law, Fair Trading Law, Civil Code).