HC-Q-I-RJ45 GC-F/F - Contact insert

1422590

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Contact insert, number of positions: RJ45, size: D7, type : RJ45, Socket, 50 V, 1 A, application: Data, Gender changer

Your advantages

- Shock and vibration-resistant in accordance with DIN EN 61373

Commercial data

Item number	1422590
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF61
Product key	AF7ABJ
GTIN	4055626328393
Weight per piece (including packing)	17.8 g
Weight per piece (excluding packing)	15 g
Customs tariff number	85366990
Country of origin	CN

Technical data

Notes

General	Use the patch cable from the accessories list.
General	Connectors may be operated only when there is no load/voltage.

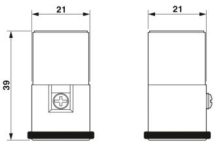
Product properties

Product type	Contact insert with a fixed no. of positions
Series	HC-Q
Application	Data
Type	D7
Number of positions	8
Connection profile	RJ45

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Width	21 mm
Height	39 mm
Length	21 mm

Connection data

Connection technology

Connection in acc. with standard	IEC / EN

Conductor connection

Tightening torque	0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing)

Electrical properties

Rated voltage (III/3)	50 V
Rated surge voltage	0.8 kV
Rated current	1 A
Insulation resistance	100 MΩ
Nominal voltage U_N	50 V
Transmission characteristics (category)	$CAT6_A$

Material specifications

Material Housing	PA 6.6
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Au
Contact carrier material	PC

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Specification	IEC 60529:1989-11
	IEC 60512-1-1:2002-02
Requirements	Dust must not enter the housing.
Requirements, visual check	No defects that impair normal functionality.
Test duration	8 h

IP code X6 - powerful jet water

Specification	IEC 60529:1989-11
	IEC 60512-1-1:2002-02
Requirements	Water that is sprayed against the housing as a powerful jet from any direction must not have any harmful effect.
Requirements, visual check	No defects that impair normal functionality.
Test duration	1 min/m² at least 3 min
Specification	IEC 60529:1989-11
	IEC 60512-1-1:2002-02
Requirements	Water must not penetrate in a harmful quantity when the housing is temporarily submerged in water under standard pressure and time conditions.
Requirements, visual check	No defects that impair normal functionality.
Test duration	30 min

Vibration, broadband noise

Specification	IEC 61373:2010-05
	IEC 60512-1-1:2002-02
Contact disturbance requirement	Duration of the disturbance: max. 1 µs
Requirements, visual check	No damage that can affect the intended use.
Test duration	5 h per axis
Lowest frequency	5 Hz
Highest frequency	150 Hz
Acceleration	0.6 g
Test directions	X-, Y- and Z-axis
Category	1
Class	B
	IEC 60068-2-6:2007-12

Specification	IEC 60512-6-4:2002-02
	IEC 60512-1-1:2002-02
Contact disturbance requirement	Duration of the disturbance: max. 1 µs
Requirements, visual check	No damage that can affect the intended use.
Test duration	2.5 h per axis
Lowest frequency	10 Hz
Highest frequency	150 Hz
Amplitude	0.35 mm
Acceleration	5g
Test directions	X-, Y- and Z-axis

Shock

Specification	IEC 60068-2-27:2008-02
	IEC 60512-1-1:2002-02
Contact disturbance requirement	Duration of the disturbance: max. 1 µs
Requirements, visual check	No damage that can affect the intended use.
Acceleration	30g
Test directions	X-, Y- and Z-axis (pos. and neg.)
Pulse shape	Half-sine
Number of shocks per direction	3
Shock duration	18 ms

Vibration test

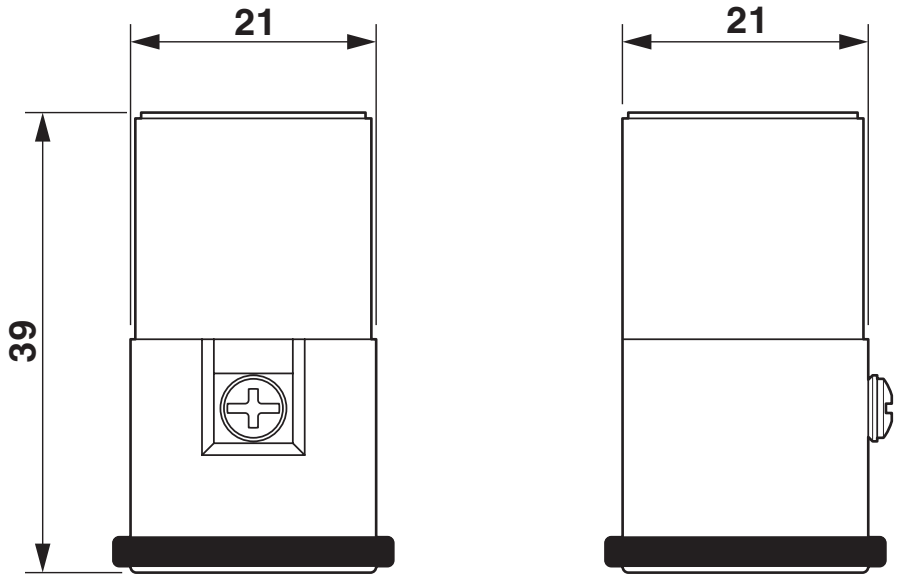
Specification	DNV-CG-0339:2021-08
	IEC 60068-2-6:2007-12
Contact disturbance requirement	Duration of the disturbance: max. 1 µs
Requirements, visual check	No damage that can affect the intended use.
Lowest frequency	5 Hz
Highest frequency	100 Hz
Amplitude	1.6 mm
Acceleration	4g
Sweep speed	1 octave/min
Test directions	X-, Y- and Z-axis
Class	2b
Requirements, visual check	No defects that impair normal functionality.
Test duration	30 min
No. of cycles	10
Minimum temperature	-40 °C
Maximum temperature	+70 °C

Standards and regulations

Standards/regulations	PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Drawings

Dimensional drawing



Dimensional drawing

Classifications

ECLASS

ECLASS-13.0	27440205
ECLASS-15.0	27440205

ETIM

ETIM 10.0	EC000438

UNSPSC

UNSPSC 21.0	39121500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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