

1140958

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DIN rail connector, color: light grey, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 4 parallel contacts/4 serial contacts

Your advantages

· Up to four parallel and series contacts respectively for efficient signal and data transmission

Commercial data

Item number	1140958
Packing unit	30 pc
Minimum order quantity	30 pc
Sales key	AC15
Product key	ACHEDA
GTIN	4063151098384
Weight per piece (including packing)	5.23 g
Weight per piece (excluding packing)	4.67 g
Customs tariff number	85366990
Country of origin	PL



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Technical data

Notes

	Recommendation	Material of contact pads for bus connector, galvanic gold (hard gold)
Product properties		
	Product type	DIN rail connector
	Product family	TBUS82,54
	Number of positions	8
	Pitch	2.54 mm

Electrical properties

Nominal current I _N	6 A (parallel contacts)
Nominal voltage U _N	32 V
Degree of pollution	3
Contact resistance	5.97 mΩ
Rated voltage (III/2)	32 V
Rated surge voltage (III/2)	1.5 kV
Rated voltage (II/2)	32 V
Rated surge voltage (II/2)	1.5 kV

Dimensions

Pitch	2.54 mm
Width [w]	23.2 mm
Height [h]	37.15 mm
Length [I]	16.3 mm

Material specifications

Material data - contact	
Contact material	Cu alloy
Surface characteristics	gold-plated

Material data - housing	
Color (Housing)	light grey (7035)
Insulating material	PA
Insulating material group	1
CTI according to IEC 60112	600
Flammability rating according to UL 94	VO

Connector

Connection 1	
Insulating material	PA
CTI according to IEC 60112	600



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Electrical tests

Thermal test Test group C		
Specification	IEC 60512-5-1:2002-02	
Tested number of positions	8	
Air clearances and creepage distances		
Specification	IEC 60664-1:2007-04	
Insulating material group	1	
Rated insulation voltage (III/2)	32 V	
Rated surge voltage (III/2)	1.5 kV	
minimum clearance value - non-homogenous field (III/2)	0.5 mm	
minimum creepage distance (III/2)	0.53 mm	
Rated insulation voltage (II/2)	32 V	
Rated surge voltage (II/2)	1.5 kV	
minimum clearance value - non-homogenous field (II/2)	0.5 mm	
minimum creepage distance (II/2)	0.53 mm	

Mechanical tests

Insertion and withdrawal forces

Result	Test passed
No. of cycles	25
Insertion strength per pos. approx.	2.8 N
Withdraw strength per pos. approx.	2.5 N

Contact holder in insert

Specification	IEC 60512-15-1:2008-05
Contact holder in insert Requirements >20 N	Test passed

Polarization and coding

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Specification	IEC 60512-13-5:2006-02	
Result	Test passed	
Visual inspection		
Specification	IEC 60512-1-1:2002-02	
Result	Test passed	
Dimension check		
Specification	IEC 60512-1-2:2002-02	
Result	Test passed	

Environmental and real-life conditions

Vibration test	
Specification	IEC 60068-2-6:2007-12



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Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm (10 Hz 60.1 Hz)
Sweep speed	5g (60.1 Hz 500 Hz)
Test duration per axis	2.5 h
urability test	
Specification	IEC 60512-9-1:2010-03
Impulse withstand voltage at sea level	1.75 kV
Contact resistance R ₁	5.97 mΩ
Contact resistance R ₂	5.91 mΩ
Insertion/withdrawal cycles	25
imatic test	
Specification	DIN 50018:2013-05
Corrosive stress	0.2 dm ³ SO ₂ on 300 dm ³ /40 °C/1 cycle
Thermal stress	100 °C/168 h
Power-frequency withstand voltage	0.84 kV
ow-wire test	
Specification	IEC 60695-2-10:2013-04
Temperature	850 °C
Time of exposure	30 s
nocks	
Specification	IEC 60068-2-27:2008-02
Pulse shape	Semi-sinusoidal
Acceleration	15g
Shock duration	11 ms
Test directions	X-, Y- and Z-axis (pos. and neg.)
nbient conditions	
Ambient temperature (operation)	-40 °C 105 °C (dependent on the derating curve)
Ambient temperature (storage/transport)	-40 °C 55 °C
Relative humidity (storage/transport)	30 % 70 %
Ambient temperature (assembly)	-5 °C 100 °C
Inting	
Mounting type	DIN rail mounting
mounting type	Dire rain mounting
kaging specifications	
Type of packaging	packed in cardboard
	Carton



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Classifications

ECLASS

ECLASS-11.0	27460201
ECLASS-12.0	27460201
ECLASS-13.0	27460201

ETIM

	ETIM 9.0	EC002637		
UNSPSC				
	UNSPSC 21.0	39121400		



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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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