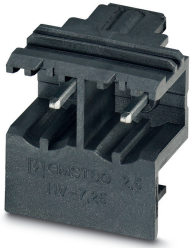


## Feed-through header - GMSTBO 2,5 HV/ 2-GL-7,25THRR32 - 2279703

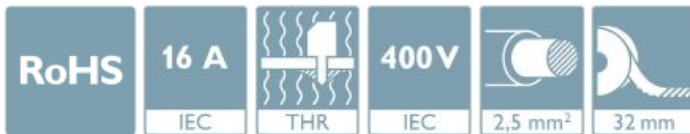
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PCB header, nominal cross section: 2.5 mm<sup>2</sup>, color: black, nominal current: 16 A, rated voltage (III/2): 630 V, type of contact: Male connector, Number of potentials: 2, Number of rows: 1, Number of positions per row: 2, number of connections: 2, product range: GMSTBO 2,5 HV, pitch: 7.25 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm, type of packaging: 32 mm wide tape, Product with pin output on left side

### Your advantages

- ✓ Suitable for ME/ME MAX electronics housing
- ✓ 2 and 3 positions suitable for 17.5/35 mm and 22.5/45 mm housing width
- ✓ Orthogonal screw/plug-in connection
- ✓ Delivery form: box packaging in bulk or tape-on-reel packing for automated mounting
- ✓ 7.25 mm pitch for unlimited 600 V UL approval
- ✓ THR solderable
- ✓ Suitable for reflow soldering processes



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	110 pc
GTIN	 4 046356 544450
GTIN	4046356544450
Weight per Piece (excluding packing)	55.550 g
Custom tariff number	85366930
Country of origin	Poland

### Technical data

#### Item properties

Brief article description	Feed-through header
Type of contact	Male connector

## Feed-through header - GMSTBO 2,5 HV/ 2-GL-7,25THRR32 - 2279703

### Technical data

#### Item properties

Range of articles	GMSTBO 2,5 HV
Pitch	7.25 mm
Number of positions	2
Mounting type	THR soldering
Pin layout	Linear pinning
Locking	without
Number of levels	1
Number of connections	2
Number of potentials	2

#### Electrical parameters

Nominal current	16 A
Nom. voltage	400 V
Rated voltage (III/3)	400 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	630 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

#### Material data - contact

Contact material	Cu alloy
Surface characteristics	Tin-plated

#### Material data - housing

Housing color	black (9005)
Insulating material	LCP
Insulating material group	IIIa
CTI according to IEC 60112	175
Flammability rating according to UL 94	V0

#### Dimensions for the product

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Length [ l ]	15.65 mm
Width [ w ]	14.95 mm
Height [ h ]	16.84 mm
Pitch	7.25 mm
Solder pin [P]	2.1 mm
Pin spacing	7.25 mm

## Feed-through header - GMSTBO 2,5 HV/ 2-GL-7,25THRR32 - 2279703

### Technical data

#### Dimensions for the product

Pin dimensions	1 x 1 mm
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#### Dimensions for PCB design

Hole diameter	1.5 mm
Pin spacing	7.25 mm

#### Packaging information

Type of packaging	32 mm wide tape
Pieces per package	110
Denomination packing units	Pcs.
[W] tape width	32.4 mm
[A] coil diameter	330 mm
[W2] coil overall dimension	38.4 mm
Outer packaging type	Transparent-Bag
ESD level	(D) electrostatically conductive

#### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C (dependent on the derating curve)

#### Air clearances and creepage distances

#### Mechanical test group (A)

Test specification	IEC 61984
Visual inspection	IEC 60512-1-1:2002-02
Dimension check	IEC 60512-1-2:2002-02
Resistance of inscriptions	IEC 60068-2-70:1995-12
Insertion and withdrawal force	IEC 60512-13-2:2006-02
No. of cycles	25
Insertion strength per pos. approx.	5 N
Withdraw strength per pos. approx.	3.5 N
Polarization and coding	IEC 60512-13-5:2006-02
Contact holder in insert	IEC 60512-15-1:2008-05
Test force per pos.	20 N

#### Life cycle test group (B)

Specification	IEC 60512-9-1:2010-03
Contact resistance R <sub>1</sub>	1.3 mΩ
Insertion/withdrawal cycles	25
Contact resistance R <sub>2</sub>	1.5 mΩ

## Feed-through header - GMSTBO 2,5 HV/ 2-GL-7,25THRR32 - 2279703

### Technical data

#### Life cycle test group (B)

Impulse withstand voltage at sea level	7.3 kV
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#### Thermal tests (C)

Specification	IEC 60512-5-1:2002-02
Number of positions	3
Upper limiting temperature requirements <100 °C	Test passed

#### Climatic test group (D)

Specification	ISO 6988:1985-02
Cold stress	-40 °C/2 h
Thermal stress	100 °C/168 h
Corrosive stress	0.2 dm <sup>3</sup> SO <sub>2</sub> on 300 dm <sup>3</sup> /40 °C/1 cycle
Impulse withstand voltage at sea level	4.8 kV
Power-frequency withstand voltage	3.31 kV

#### Degree of protection test group (E)

Specification	IEC 61984:2008-10
Result, degree of protection, IP code	Finger safety with IP20 test finger

#### Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm (10 - 60.1 Hz)
Acceleration	5 g (60.1 - 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

#### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

#### Environmental Product Compliance

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

# Feed-through header - GMSTBO 2,5 HV/ 2-GL-7,25THRR32 - 2279703

## Classifications

### eCl@ss

eCl@ss 10.0.1	27440402
eCl@ss 11.0	27460201
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440402
eCl@ss 9.0	27440402

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 6.0	EC002637
ETIM 7.0	EC002637

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121409
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

## Approvals

### Approvals

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#### Approvals

CCA / IECB Scheme / EAC / cULus Recognized / VDE Gutachten mit Fertigungsüberwachung

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#### Ex Approvals


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# Feed-through header - GMSTBO 2,5 HV/ 2-GL-7,25THRR32 - 2279703


## Approvals


### Approval details

CCA		CCA/DE1 34305/A1
Nominal voltage UN	630 V	
Nominal current IN	16 A	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-52506/A1
Nominal voltage UN	630 V		
Nominal current IN	16 A		

EAC		B.01687
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19931013
	B	C	D
Nominal voltage UN	300 V	150 V	300 V
Nominal current IN	16 A	16 A	10 A

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40037875
Nominal voltage UN	630 V		
Nominal current IN	16 A		