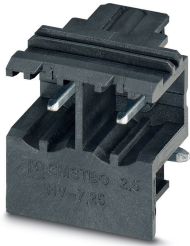


## Feed-through header - GMSTBO 2,5 HV/ 2-GR-7,25THRR32 - 2279606

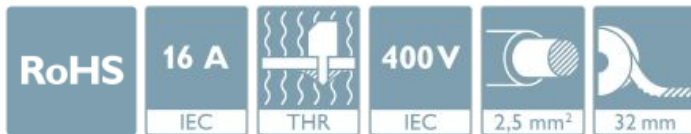
Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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, 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 right 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 544467
GTIN	4046356544467
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-GR-7,25THRR32 - 2279606

## 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-GR-7,25THRR32 - 2279606

### Technical data

#### Dimensions for the product

Pin dimensions	1 x 1 mm
----------------	----------

#### 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-GR-7,25THRR32 - 2279606

### Technical data

#### Life cycle test group (B)

Impulse withstand voltage at sea level	7.3 kV
----------------------------------------	--------

#### 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-GR-7,25THRR32 - 2279606

## 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

---

#### Approvals

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

---

#### Ex Approvals


---

# Feed-through header - GMSTBO 2,5 HV/ 2-GR-7,25THRR32 - 2279606


## 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
-----	-----------------------------------------------------------------------------------	---------

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
Nominal voltage UN	B 300 V	C 150 V	D 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		