

Data Sheet | Item Number: 232-337

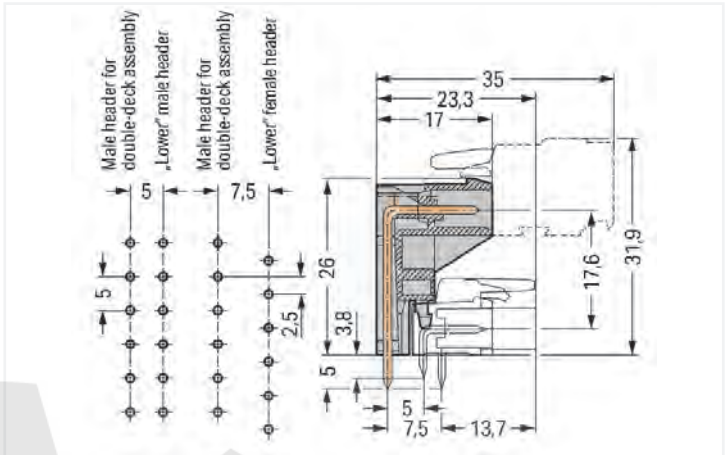
THT male header for double-deck assembly; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 7-pole; gray

<https://www.wago.com/232-337>



Color: gray

Similar to illustration

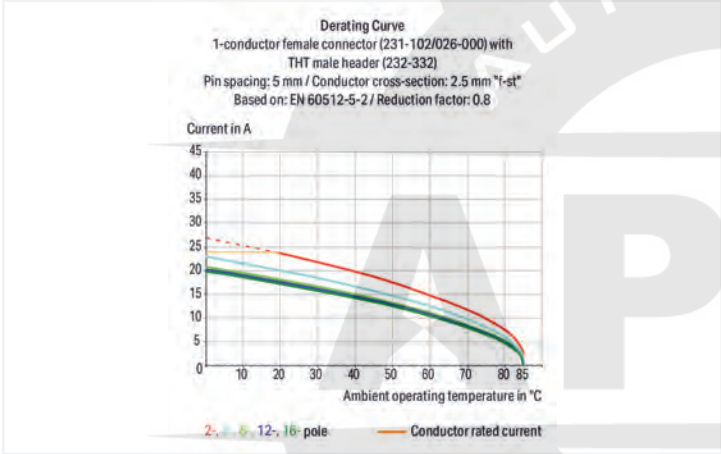


Dimensions in mm

Length = (pole no. - 1) x pin spacing + 8.2 mm

The solder pins of the "lower" male headers are in line.

The solder pins of the "lower" female headers are staggered by half a pin spacing.



- Male headers for double-deck assembly provide high-density wiring for wire-to-board connections
- Horizontal PCB mounting
- Double-deck design allows male or female headers with angled solder pins to be placed on the lower deck
- Coding option available

Notes	
Safety information 1	The MCS – MULTI CONNECTION SYSTEM includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Variants:	Other pole numbers Gold-plated or partially gold-plated contact surfaces Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .
-----------	---



Electrical data			
Ratings per IEC/EN		Ratings per UL 1059	
Ratings per	IEC/EN 60664-1	Approvals per	UL 1059
Nominal voltage (III/3)	320 V	Rated voltage UL (Use Group B)	300 V
Rated impulse voltage (III/3)	4 kV	Rated current UL (Use Group B)	10 A
Rated voltage (III/2)	320 V	Rated voltage UL (Use Group D)	300 V
Rated impulse voltage (III/2)	4 kV	Rated current UL (Use Group D)	10 A
Nominal voltage (II/2)	630 V		
Rated surge voltage (II/2)	4 kV		
Rated current	12 A		
Legend (ratings)	(III / 2) $\Delta$ Overvoltage category III / Pollution degree 2		

Ratings per UL 1977		Ratings per CSA	
Rated voltage (UL 1977)	600 V	Approvals per	CSA
Rated current UL 1977	10 A	Rated voltage CSA (Use Group B)	300 V
		Rated current CSA (Use Group B)	10 A
		Rated voltage CSA (Use Group D)	300 V
		Rated current CSA (Use Group D)	10 A

Connection data			
Total number of potentials	7	Connection 1	
Number of connection types	1	Pole number	7
Number of levels	1		

Physical data	
Pin spacing	5 mm / 0.197 inches
Width	38.2 mm / 1.504 inches
Height	31 mm / 1.22 inches
Height from the surface	26 mm / 1.024 inches
Depth	17 mm / 0.669 inches
Solder pin length	5 mm
Solder pin dimensions	1 x 1 mm
Drilled hole diameter with tolerance	1.4 (+0.1) mm

Mechanical Data	
Variable coding	No
Anti-rotation protection	Yes

Plug-in connection	
Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	No
Mating direction to the PCB	0°

### PCB contact

PCB contact	THT
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	1

### Material Data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	Tin
Fire load	0.152 MJ
Weight	7.4 g

### Environmental requirements

Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

### Commercial data

Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918685481
Customs tariff number	85366990990

### Approvals / Certificates

#### General approvals





Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453
UL Underwriters Laboratories Inc.	UL 1059	E45172
UR Underwriters Laboratories Inc.	UL 1977	E45171




#### Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG15869876-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE000016Z
LR Lloyds Register	IEC 61984	96/20035 (E5)

Downloads		
Environmental Product Compliance		
Compliance Search		
Environmental Product Compliance 232-337		

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 1949.09 KB	

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models 232-337		EPLAN Data Portal 232-337	
		ZUKEN Portal 232-337	

1 Compatible Products	
1.1 System counterpart	
1.1.1 Female connector/socket	



[Item No.: 231-107/026-000](#)  
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 7-pole; 2,50 mm²; gray

1.2 Optional Accessories	
1.2.1 Coding	
1.2.1.1 Coding	



[Item No.: 231-129](#)  
Coding key; snap-on type; light gray



[Item No.: 231-160](#)  
Coding pin; for coding lower male headers; push-in type; light gray

## Installation Notes

### Coding



Coding a male header – fitting coding key (s).

