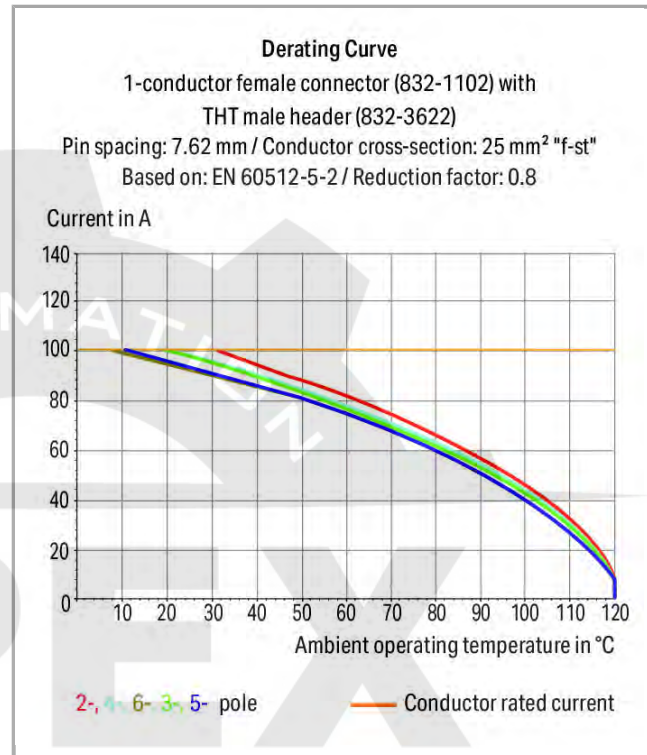
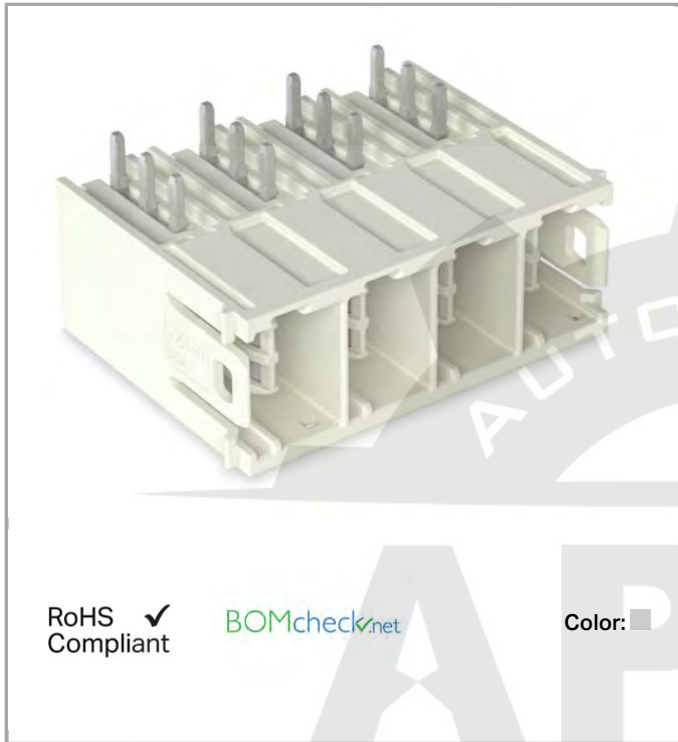


Data sheet | Item number: 832-3642

THT male header; 1.2 x 1.2 mm solder pin; straight; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 2-pole



832-3642



Derating Curve

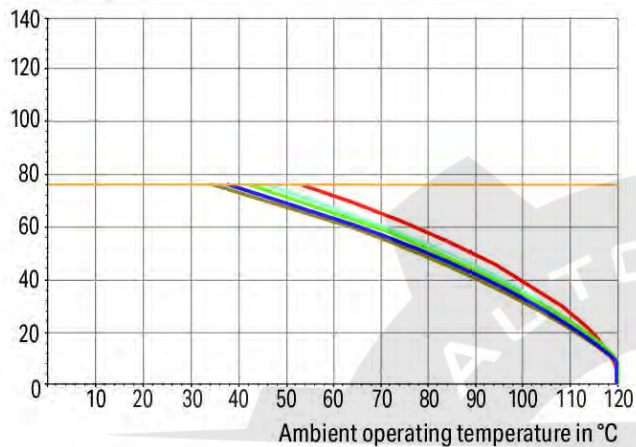
1-conductor female connector (832-1102) with

THT male header (832-3622)

Pin spacing: 7.62 mm / Conductor cross-section: 16 mm² "f-st"

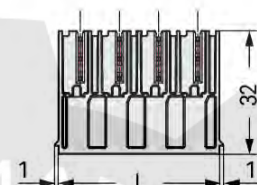
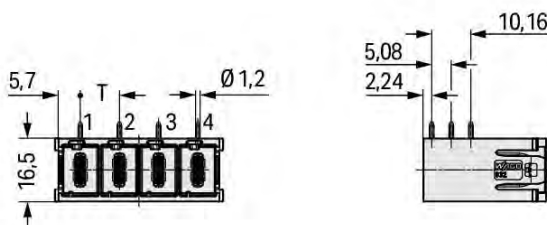
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A

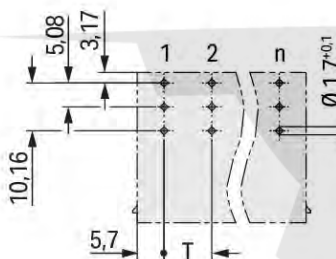


2-, 4-, 6-, 3-, 5- pole

Conductor rated current



L = pole no. x pin spacing + 1.3 mm



Item description

- Male header may be mounted horizontally or vertically via straight or angled solder pins
- Three solder pins per pole provide high electrical and mechanical stability
- Mating face (IP2XB) with higher protection against accidental contact
- 100% protected against mismatching
- Coding via coding fingers

Safety information 1:



The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	800 V
Rated impulse voltage (III / 3)	8 kV
Rated voltage (III / 2)	1000 V
Rated impulse voltage (III / 2)	8 kV
Rated voltage (II / 2)	1000 V
Rated impulse voltage (II / 2)	8 kV
Rated current	76 A

Connection data

No. of poles	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	10.16 mm / 0.4 inch
Width	21.62 mm / 0.851 inch
Height	20.5 mm / 0.807 inch
Height from the surface	16.5 mm / 0.65 inch
Depth	32 mm / 1.26 inch
Solder pin length	4 mm
Solder pin dimensions	1.2 x 1.2 mm
Drilled hole diameter (tolerance)	1.7 ^(- ... +0.1) mm

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	Yes
Mating direction to the PCB	180°

PCB contact

PCB contact	THT
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Solder pin arrangement	over the entire male connector, in line
Number of solder pins per potential	3

Material Data

Color	light gray
Material group	I
Insulating material	Polybutylene terephthalate (PBT)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	silver-plated
Weight	11.172 g

Environmental Requirements

Limit temperature range	-60 +120 °C
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Commercial data

Country of origin	DE
GTIN	4055143730266
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	70180346

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cULus Underwriters Laboratories Inc.	C22.2 No. 158	E45172

Compatible products

Coding



Item no.: 832-500
Coding key carrier

832-500

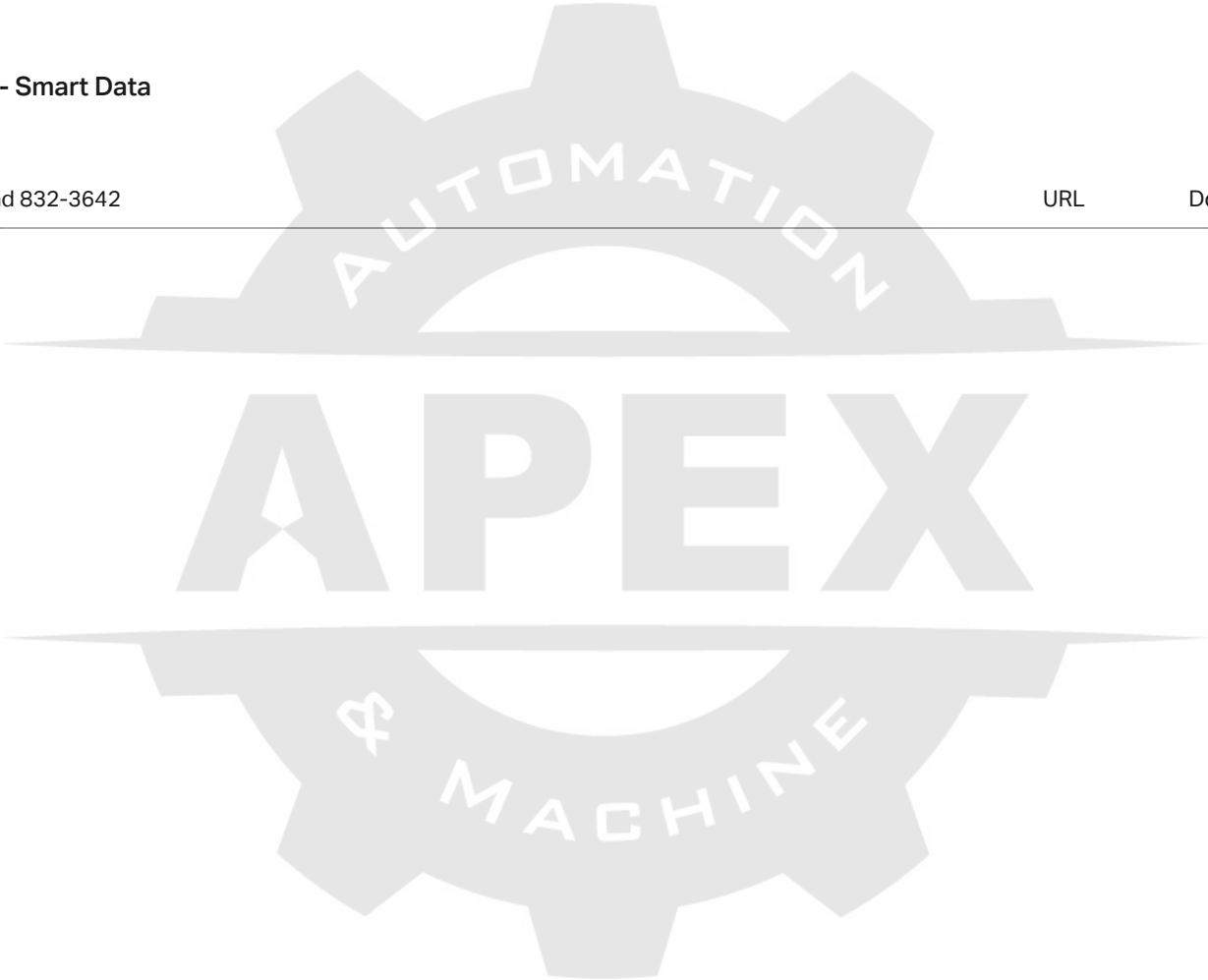
Downloads
Documentation

Additional Information			
Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download

CAD/CAE - Smart Data

CAD data

3D Download 832-3642	URL	Download
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Subject to changes.