

**CH20M**  
**SHL-SMT 5.00/04GR 4.2BX**

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-2083  
www.weidmueller.com



**Naturally, the CH20M system also shows its perfection in the peripheral interface.**

If you are taking into consideration design options, processing, usability, reliability and security, then pin headers and connectors are just as critical in the real world as the entire system.

In every sector, the connection technology is at the top of its class.

- **100% non-interchangeable** the unique, captive "Auto-Set" encoding ensures a misconnection-proof assignment of the connections.
- **100% safe** Touch protection for the pin header and socket block on both sides
- **100% efficient** All THR pin headers are reflow compatible

**General ordering data**

Order No.	<a href="#">1069570000</a>
Type	SHL-SMT 5.00/04GR 4.2BX
Version	PCB plug-in connector, male header, 5.00 mm, No. of poles: 4, Solder pin length: 4.2 mm, tinned, black, Box
Product data	IEC: 400 V UL:
EAN	4032248825165
Qty.	120 pc(s).
Packaging	Box

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**Technical data**
**Dimensions**

Length	27.6 mm	Width	20.4 mm
Height	14.4 mm		

**System parameters**

Version	Connection element, right	Number of connections	4
Solder pin length	4.2 mm	Type of contact to PCB	Solder connection, direct
Tolerance for the PCB shape	±0.15 mm	Contact to terminal rail	No
Degree of protection	IP 20	Encapsulation option	No

**Material data**

Flammability class UL 94	V-0	Insulating material	LCP
Colour	black	Contact material	Copper alloy
Contact surface	tinned	Continuous operating temp., min.	-20 °C
Continuous operating temp., max.	85 °C		

**Rating data to DIN IEC**

Rated current, max. No. of poles (Tu=20°C)	10 A	Rated current, no. of poles (Tu=40°C), max.	9 A
Rated voltage for overvoltage class/pollution severity II/2	400 V	Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage at overvoltage category/pollution degree III/3	250 V	Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV	Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV

**Classifications**

ETIM 4.0	EC002637	eClass 6.0	27-26-07-04
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**Approvals**

Approvals	CURUS
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