

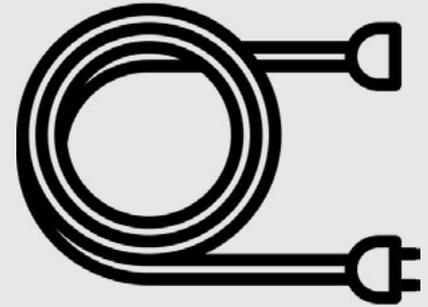
## Technical Data Sheet

cera2seal

# Extension Cable

For Digital Heating Systems

cera2seal



Nikita Golubev

	Han 3A + 3G1.5	Han 6B + 3G4.0	Han 10B + 5G2.5
<b>Plug/Socket</b>	Harting® Han 3A	Harting® Han 6B	Harting® Han 10B
male side	straight	straight or angled	straight or angled
female	straight or straight with flange	straight or straight with flange	straight
<b>Cable</b>	Special hybrid cable for watttron sealing tools. Contains wires for heating power, control power and data/communication. Outer sheath: PUR.		
<b>Wires</b>	(2x0.34 mm <sup>2</sup> )CB + 3x0.34 mm <sup>2</sup> + 3G4.0 mm <sup>2</sup>	2x(3x0.25 mm <sup>2</sup> )C + 2x2x0.25 mm <sup>2</sup> + 5G4.0 mm <sup>2</sup>	(4x0.34 mm <sup>2</sup> )C + 2x2x0.5 mm <sup>2</sup> + 5G2.5 mm <sup>2</sup>
<b>Diameter</b>	10.1 mm	13.0 mm	15.5 mm
<b>Max amperage (heating power)</b> according to IEC / UL standards at 40 °C ambient temperature	10 A / 10 A	34.8 A / 19.3 A	16.3 A / 11 A
<b>Min. bending radius</b>	75 mm	100 mm	148 mm
<b>Available length</b>	1 ... 20 m in steps of 1 m		
<b>Flexibility</b>	All cables are suitable for drag chains and are permanently flexible.		
<b>Ambient temperature</b>	-40 ... +90 °C		
<b>IP rating</b>	IP65		
<b>UL certificate cable</b>	All cables, cable glands, plug components and contacts are UL-certified.		

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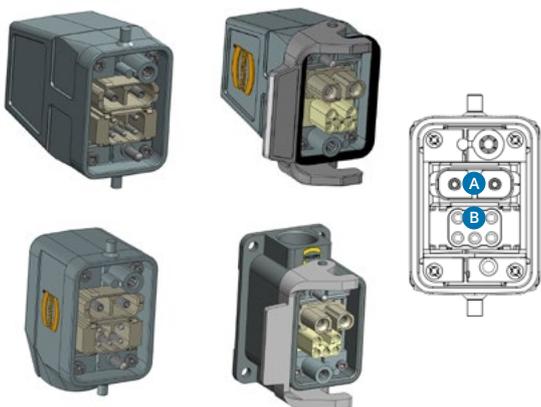
## Plugs/Sockets and Pin Assignment

HARTING Han® 3 A industrial plug (made of die-cast aluminum, powder-coated)



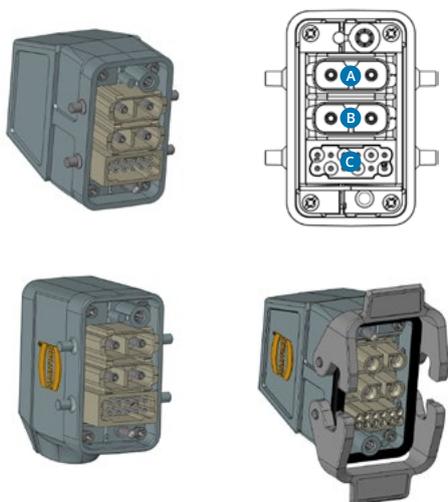
Pin	Assignment	color
1	RS485 A D+ IN	brown
2	RS485 B D- IN	white
5	controller voltage	blue
6	RS485 GND data	blue /white
7	positioning signal (POS)	yellow
10	heater power supply voltage	black
11	GND (heater and controller voltage)	grey
12	shield	-
PE	PE	green/yellow

HARTING Han® 6-B industrial plug (made of die-cast aluminum, powder-coated)



Pin	Assignment	color
A1	heater power supply voltage	black
A2	GND (heater and controller voltage)	grey
B1	controller voltage	blue
B2	positioning signal (POS)	yellow
B3	RS485 GND data	blue/white
B4	RS485 A D+ IN	brown
B5	RS485 B D- IN	white
PE	PE - shield	green/yellow

HARTING Han® 10-B industrial plug (made of die-cast aluminum, powder-coated)



Pin	Assignment	color
A1	heater power supply voltage (BP1)	red
A2	GND (heater and controller voltage) (BP1)	black
B1	heater power supply voltage (BP2)	green
B2	GND (heater and controller voltage) (BP2)	white
C1	RS485 A D+ IN (BP1)	yellow
C2	controller voltage (BP1)	purple
C3	-	-
C4	-	-
C5	controller voltage (BP2)	brown
C6	RS485 A D+ IN (BP2)	orange
C7	RS485 A D- IN (BP1)	blue
C8	RS485 GND data (BP1)	green
C9	-	-
C10	-	-
C11	RS485 GND data (BP2)	black
C12	RS485 A D- IN (BP1)	white
PE	PE - shield	green/yellow