

EPIC® HA series

Compact screw-terminated inserts for medium power & control applications



Similar to the HBE series inserts but more compact, EPIC® HA series inserts are used whenever space is limited. EPIC® HA 3/4 inserts and housings provide the smallest possible footprint in a 10A power connector. HA 10-48 inserts are unique because of their shortened ground straps, which still allow for a wire cross-section up to 2.5 mm². HA 3-48 screw-terminated inserts fit into EPIC® HA series housings. A modified EPIC® HB 48 housing can fit 64 contacts.

Technical data

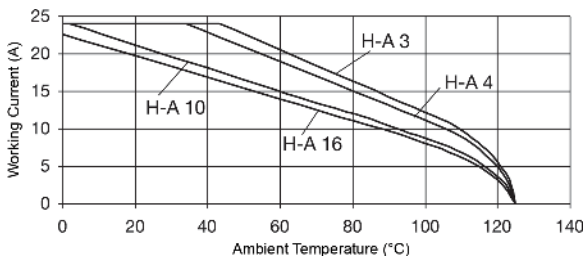
Number of contacts:	3, 4, 10, 16, 32, 48, 64 (+PE)	Rated current:	
Temperature range:	-40°C to +100°C	- UL:	
- short-term:	up to +125°C	- EPIC® HA 3/4:	10A
Pollution level:	3	- EPIC® HA 10 - 64:	14A
Dimensioning transient:	4 kV	- CSA:	
Mating cycles:	- per DIN EN 61984:2008	- EPIC® HA 3/4:	10A
	Service Life Test: Tested to 100 cycles and passed	- EPIC® HA 10 - 64:	16A
	- per Contact Thermal Test: Useful service up to 500 cycles is possible at rated voltage and current*	- IEC:	
Test voltage:	4 kV	- EPIC® HA 3/4:	23A
Rated voltage:		- EPIC® HA 10-64:	16A
- UL:	600V	- SEV:	16A
- CSA:	600V	Wire size:	
- IEC:		- EPIC® HA 3/4:	
- EPIC® HA 3/4:	400V	- solid or stranded wire with ferrule:	20 - 14 AWG (0.5 - 2.5 mm ²)**
- EPIC® HA 10 - 64:	250V	- EPIC® HA 10 - 64:	
- SEV:	250V	- solid or stranded wire with ferrule:	20 - 14 AWG (0.5 - 2.5 mm ²)**
		- for stranded wire without ferrule:	18 - 14 AWG (0.75 - 2.5 mm ²) (requires insert with wire protection)
		Contact material:	silver-plated copper alloy
		Contact resistance:	1.5 - 4 mΩ

* In dry, non-conductive, non-corrosive environments when protected in a housing rated at least IP54 and disconnected for cycling and maintenance only.

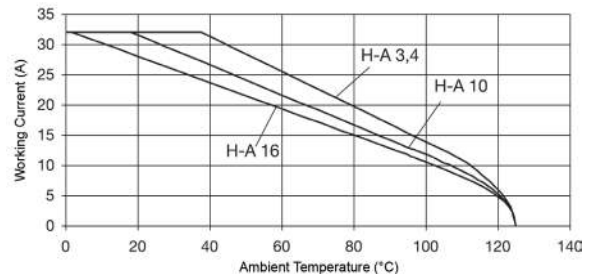
** May be limited, depending on the ferrule crimp profile.

EPIC® HA derating curves

16 AWG (1.5 mm²)

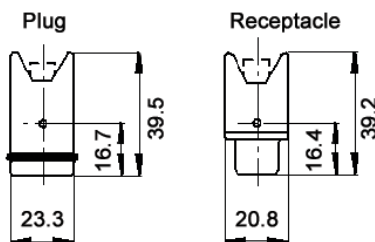


14 AWG (2.5 mm²)

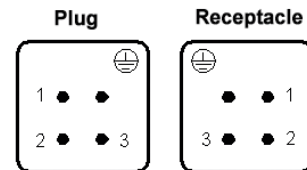


EPIC® HA 3

screw termination: 600V, 10A




all dimensions are in mm



view from cable side


Termination	Plug	Receptacle
screw termination	10420000	10421000

Complete the installation



Coding pin:
10451400

Compatible housing



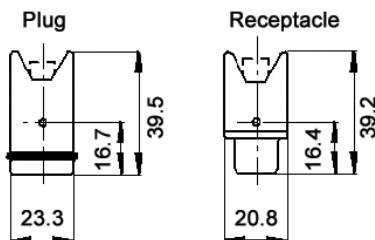
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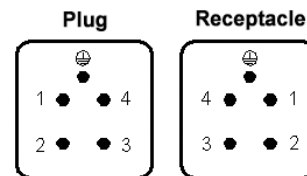


EPIC® HA 4

screw termination: 600V, 10A




all dimensions are in mm



view from cable side


Termination	Plug	Receptacle
screw termination	10431000	10432000

Complete the installation



Coding pin:
10451400

Compatible housing



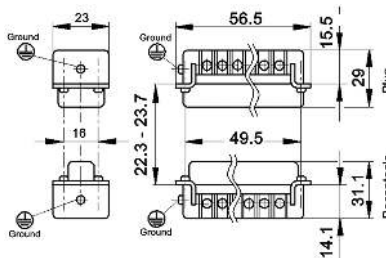
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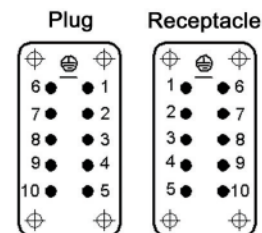


EPIC® HA 10

screw termination: 600V, 14A



all dimensions are in mm



view from cable side

Termination	Wire protection	Plug	Receptacle
screw termination	yes	10440100	10441100
screw termination	no	10440000	10441000

Compatible housing



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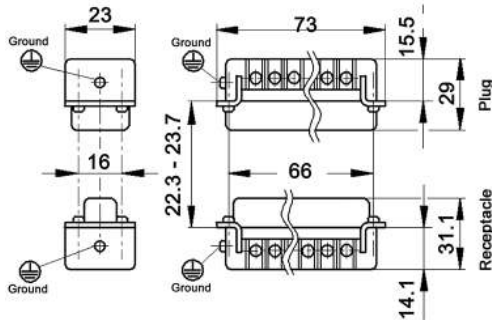
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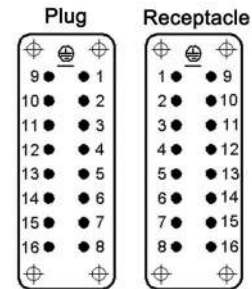
If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.

EPIC® HA 16

screw termination: 600V, 14A



all dimensions are in mm



view from cable side

Termination	Wire protection	Plug	Receptacle
screw termination	yes	10530000	10531000
screw termination	no	10532000	10533000

Compatible housing

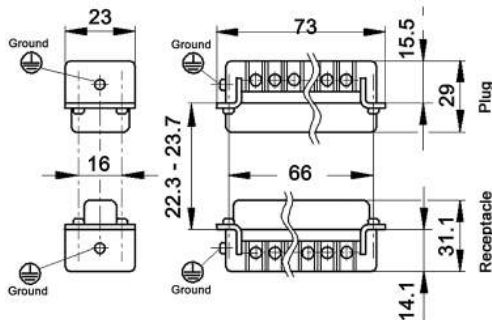
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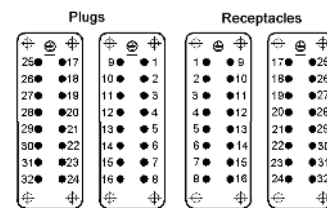


EPIC® HA 32

screw termination: 600V, 14A



all dimensions are in mm



view from cable side

Termination	Wire protection	Contact numbering	Plug	Receptacle
screw termination	yes	# 1 - 16 # 17 - 32	10530000 10540000	10531000 10541000
screw termination	no	# 1 - 16 # 17 - 32	10532000 10542000	10533000 10543000

Compatible housing

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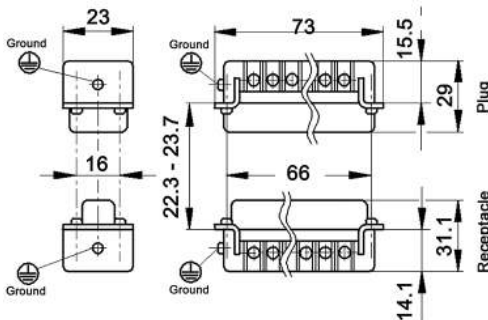
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HA series

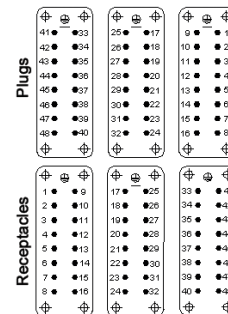
Rectangular connector inserts

EPIC® HA 48

screw termination: 600V, 14A



all dimensions are in mm



view from cable side

Termination	Wire protection	Contact numbering	Plug	Receptacle
screw termination	yes	# 1 - 16	10530000	10531000
		# 17 - 32	10540000	10541000
		#33 - 48	10540100	10541100
screw termination	no	# 1 - 16	10532000	10533000
		# 17 - 32	10542000	10543000
		#33 - 48	10542100	10543100

Compatible housing

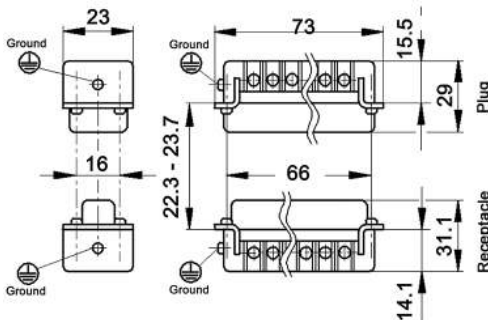
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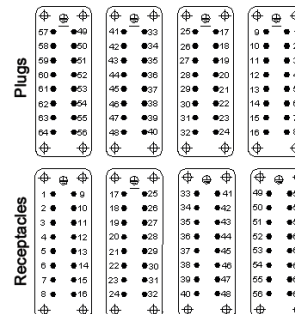


EPIC® HA 64

screw termination: 600V, 14A



all dimensions are in mm



view from cable side

Termination	Wire protection	Contact numbering	Plug	Receptacle
screw termination	yes	# 1 - 16	10530000	10531000
		# 17 - 32	10540000	10541000
		#33 - 48	10540100	10541100
		#49 - 64	105300LE64	105310LE64

Compatible housing

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