

EPIC® HQ series

Compact crimp-terminated inserts for power & control applications



The EPIC® HQ insert series fills the gap between the smallest-configuration HA series and HD series inserts. The HQ 5 insert provides more contacts (5+PE and 12+PE) in the same size housing as the HA 3 and HA 4 inserts, with higher current and voltage capability than the HD 7 and HD 8 inserts. The HQ 12 insert provides 50% more contacts than the HD 8 insert in the same compact size. They are ideal for applications in the transportation and automotive industries, and in many others where a compact, rugged industrial connector is needed.

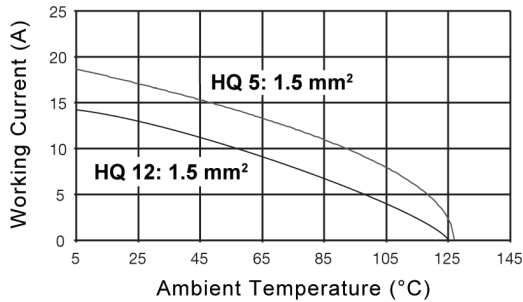
Technical data

Number of contacts:	5, 12 (+PE)	Rated voltage:	
		- UL/CSA:	600V
		- IEC:	400V
Temperature range:	-40°C to +100°C	Rated current:	
- short-term:	up to +125°C	- UL/CSA:	
		- 5-pole:	16A
Pollution level:	3	- 12-pole:	14A (UL) 10A (CSA)
Mating cycles:	- per DIN EN 61984:2008 Service Life Test: Tested to 100 cycles and passed - per Contact Thermal Test: Useful service up to 500 cycles is possible at rated voltage and current*	Wire size:	
		- 5-pole:	20 - 14 AWG (0.5 - 2.5 mm ²)
		- 12-pole:	26 - 14 AWG (0.14 - 2.5 mm ²)
Test voltage:		Contact material:	silver- or gold-plated copper alloy
- 5-pole:	4 kV	Contact resistance:	≤ 2 mΩ
- 12-pole:	6 kV		

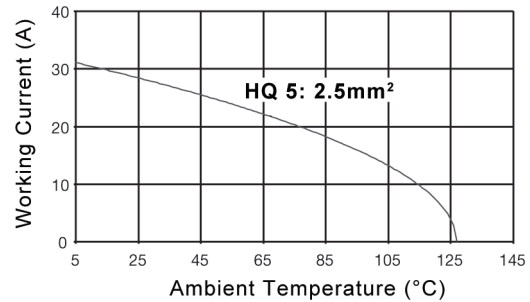
* In dry, non-conductive, non-corrosive environments when protected in a housing rated at least IP54 and disconnected for cycling and maintenance only.

EPIC® HQ derating curves

16 AWG (1.5 mm²)



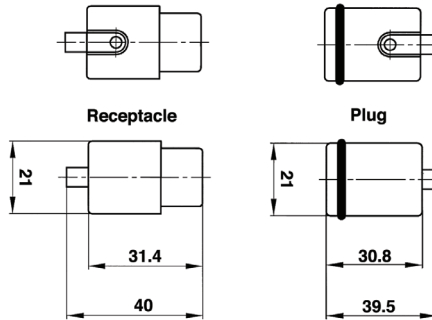
14 AWG (2.5 mm²)



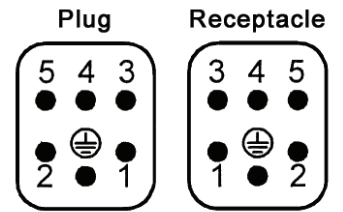
EPIC® HQ 5
crimp termination: 600V, 16A



contacts sold separately, see below




all dimensions are in mm



view from cable side


Termination	Plug	Receptacle
crimp termination	10431500	10432500

Complete the installation



Coding pin:
10436500

Compatible housing



HA 3/4
page 413

Approvals



2.5 mm contacts

Machined contacts for EPIC® HQ series inserts



Contact tools



Crimp tool:
11147000

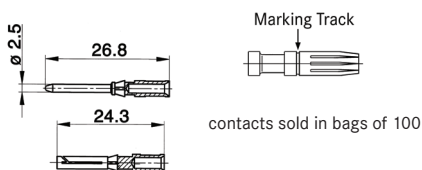


Crimp dies:
11147100



Locator:
11147200

for removal of contacts, use a slotted screwdriver; no special tool is necessary



Contact size		Stripping length (mm)		# of marking tracks	Bag of 100 silver contacts		Bag of 100 gold contacts	
mm ²	AWG	pin	socket		pin	socket	pin	socket
0.5	20	7.4	7.3	—	11190000	11195000	11192000	11197000
0.75 - 1.0	18	7.4	7.3	1	11190100	11195100	11192100	11197100
1.5	16	7.4	7.3	2	11190200	11195200	11192200	11197200
2.5	14	7.4	7.3	3	11190300	11195300	—	—
4.0	12	7.4	7.3	—	11190400	11195400	—	—

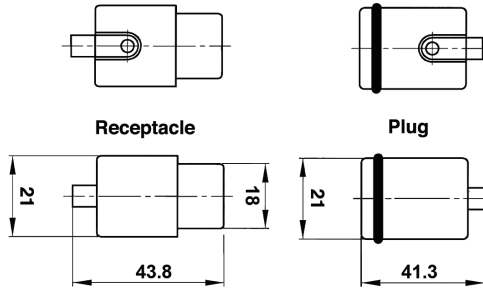
If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.

EPIC® HQ 12

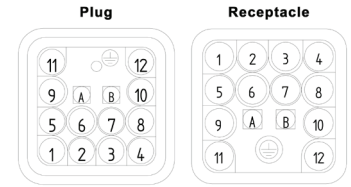
crimp termination: 600V, 14A



contacts sold separately, see below




all dimensions are in mm



view from cable side


Termination	Plug	Receptacle
crimp termination	44424049	44424050

Complete the installation



Coding pin:
44424052

Compatible housing



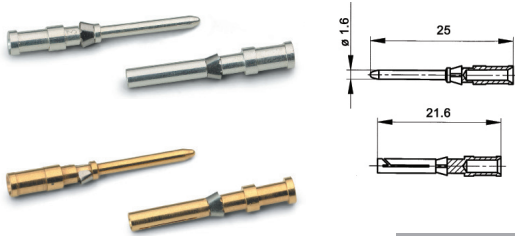
HA 3/4
page 413

Approvals



1.6 mm contacts

Machined contacts for EPIC® HQ series inserts



contacts sold in bags of 100

Contact size		Stripping length mm	# of marking tracks	Bag of 100 silver contacts		Bag of 100 gold contacts	
mm ²	AWG			pin	socket	pin	socket
0.14-0.37	26-22	8	1	13162000	13163000	13162500	13163500
0.5	20	8	2	13162100	13163100	13162600	13163600
0.75-1.0	18	8	3	13162200	13163200	13162700	13163700
1.5	16	8	4	13162300	13163300	13162800	13163800
2.5	14	8	5	13162400	13163400	13162900	13163900

Contact tools

 Crimp tool: 11147000	 Crimp dies: 11147100	 Locator: 11147200	 Removal tool: 11161000
---	---	---	---

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.