

EPIC® CONNECTORS

HQ Series



The EPIC® HQ 5 insert fills the gap between the smallest configuration EPIC® HA and EPIC® HD connector inserts. It provides more contacts (5+PE) in the same housing space as the EPIC® HA 3 and HA 4 inserts with a higher current capability (16A vs. 10A) than the EPIC® HD 7 and HD 8 inserts. They are ideal for applications in the transportation and automotive industries, and in many other industrial applications.

HQ 5 Series

258



EPIC[®] CONNECTORS

HQ Series

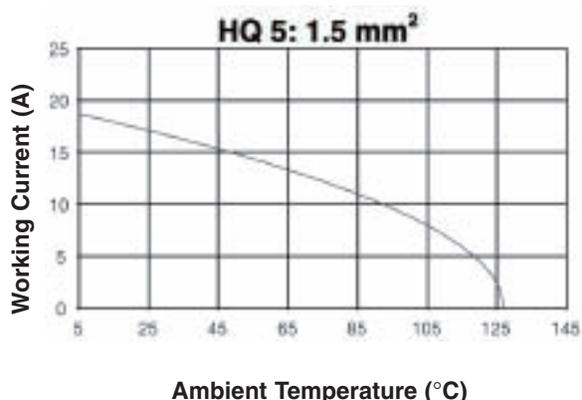
TECHNICAL DATA

Number of Contacts: 5 (+PE)
Rated Voltage: UL/ CSA: 600V
VDE: 400V
Rated Current: UL/ CSA: 16A
Temperature Range: -40°C to 125°C
Pollution Degree: 3
Test Voltage: 4 kV

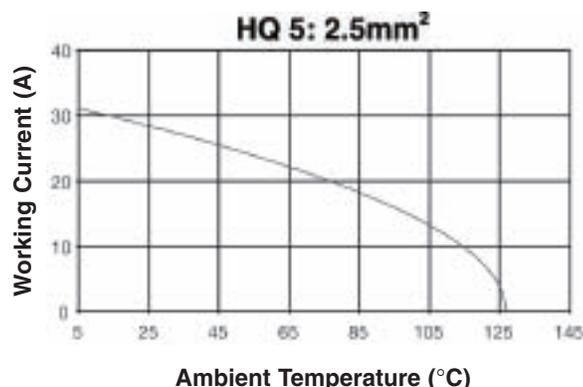
Termination Type:
Machined Crimp: 0.5 - 2.5 mm² 20 - 14 AWG
Contacts:
Material: Copper alloy, silver plated/gold plated
Mating Cycles: 100 (higher mating cycles depending on the application)
Contact Resistance: ≤ 2 mΩ

HQ INSERTS: DERATING CURVES

HQ 5: 1.5 mm² (16 AWG)



HQ 5: 2.5 mm² (14 AWG)



MATING COMPONENTS

HQ 5 Plugs & Receptacles fit into EPIC[®] HA 3/4 Housings. A quick reference for the mating components is shown. Diagrams are located in the HA Section of the catalog (Page 239). Please note that metric parts are available

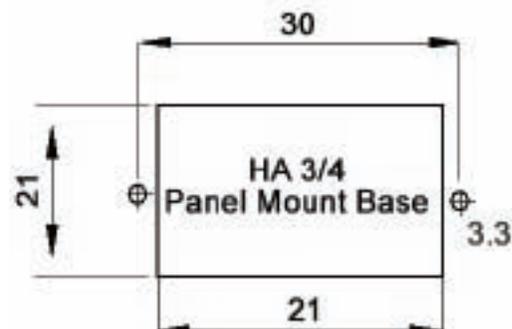
PG



NPT



METRIC



EPIC® CONNECTORS

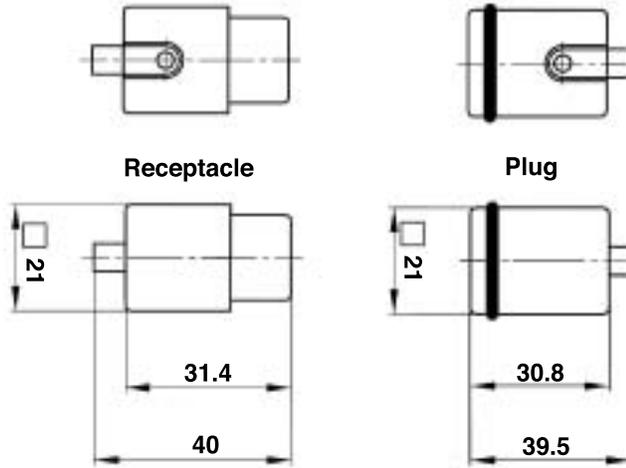
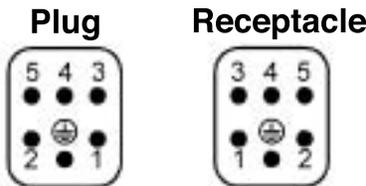
HQ 5 Plugs & Receptacles



CRIMP TERMINATED INSERTS



View from cable side



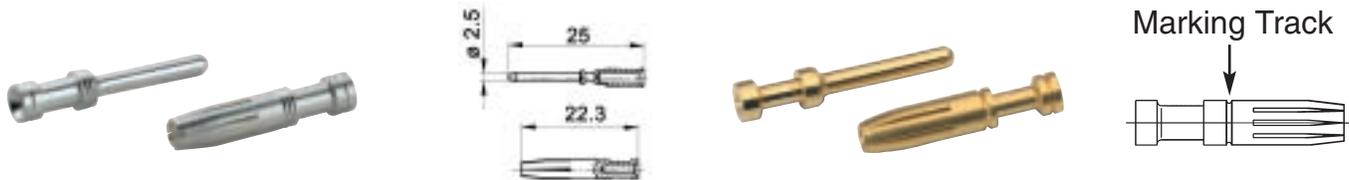
All dimensions are in mm.

	Plug	Receptacle
Crimp Termination	10.4315	10.4325

Contacts Sold Separately

10.4365: HQ5 Coding Pin (with contact loss)

MACHINED CONTACTS: DIAMETER 2.5 MM²



Bags of 100

mm ²	AWG	Silver		Gold		Stripping Length (mm)	# of Marking Tracks
		Pin	Socket	Pin	Socket		
0.5	20	11.1900	11.1950	11.1920	11.1970	Pin=7.4, Socket =7.3	-
.75 - 1.0	18	11.1901	11.1951	11.1921	11.1971	Pin=7.4, Socket =7.3	1
1.5	16	11.1902	11.1952	11.1922	11.1972	Pin=7.4, Socket =7.3	2
2.5	14	11.1903	11.1953	-	-	Pin=7.4, Socket =7.3	3

Part number= 1 contact

CRIMP TOOLS



Crimp Tool
11.1470



Crimp Dies
11.1471



Locator
11.1472



Removal Tool:
11.1825

EPIC[®] CONNECTORS

HA 3/4 Housings: Single Lever on Base for HQ 5 Inserts



HOODS



TOP ENTRY

Material	Size of Entry		Without Cable Gland	With Cable Gland
	PG	NPT	NPT Part #	PG Part #
Zinc Die Cast	11	1/2"	10.5121 NP	10.4265
Black Plastic	11	1/2"	10.4255 NP	10.4267
Grey Plastic	11	1/2"	10.4260 NP	10.4264

SIDE ENTRY

Material	Size of Entry		Without Cable Gland	With Cable Gland
	PG	NPT	NPT Part #	PG Part #
Zinc Die Cast	11	1/2"	10.5123 NP	10.4275
Black Plastic	11	1/2"	10.4273 NP	10.6206
Grey Plastic	11	1/2"	10.4270 NP	10.4271

PANEL MOUNT BASES



Grey Metal	
10.4225	
Black Plastic	Grey Plastic
10.4222	10.4220

Grey Metal	
10.4235	
Black Plastic	Grey Plastic
10.4231	10.4230



SURFACE MOUNT BASES



Material	Size of Entry		Without Cable Gland	With Cable Gland
	PG	NPT	NPT Part #	PG Part #
Zinc Die Cast	11	1/2"	10.5127 NP	10.4245
Black Plastic	11	1/2"	10.5117 NP	10.4247
Grey Plastic	11	1/2"	10.4240 NP	10.4242

CABLE COUPLER HOOD



Material	Size of Entry		Without Cable Gland	With Cable Gland
	PG	NPT	NPT Part #	PG Part #
Zinc Die Cast	11	1/2"	10.5129 NP	10.4295
Black Plastic	11	1/2"	10.4292 NP	10.6203
Grey Plastic	11	1/2"	10.4290 NP	10.4291

DUST COVERS WITH OR WITHOUT ATTACHMENT STRING

Material: Thermoplastic Resin or Aluminum

Temperature: -40°C to 125°C



Covers for Panel Mount or Surface Mount Bases and Cable Coupler Hoods	Part # with string	Part # without string
Dust Cover for HA 3/4 Housings with Male Insert	10.4304	10.4300
Metal Dust Cover for HA 3/4 Housings with Male Insert	10.5130	10.4303
Dust Cover for HA 3/4 Housings with Female Insert (includes gasket)	10.4301	-
Metal Dust Cover for HA 3/4 Housings with Female Insert (includes gasket)	10.5131	-