

EPIC[®] CONNECTORS

STA Series



The STA inserts with solid spring designed contacts are used extensively in the construction of devices, in control units, laboratories, and withdrawable unit design. These inserts are available with screw or solder termination which fit into the HA Series Housings.

The HA Series Housings are compact in shape and utilize fixed levers.

STA 6 Series	262
STA 14 Series	264
STA 20 Series	266
STA 40 Series	268

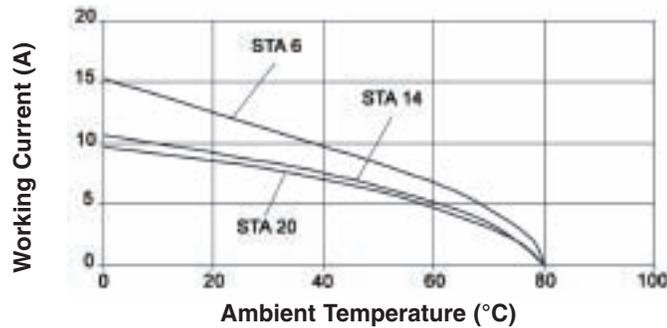


TECHNICAL DATA

Number of Contacts:	6, 14, 20, 40	Termination Type:	Solder termination: up to 1.5 mm ² Screw termination: 0.5 - 1.5 mm ²
Rated Voltage:	VDE: 60V EPIC STA 6 - 20 UL: 48V EPIC STA 6 - 20 CSA: 48V EPIC STA 6 - 20	Temperature Range:	-40°C to 80°C
Rated Current:	VDE: 10A EPIC STA 6 - 20 UL: 10A EPIC STA 6 - 20 CSA: 10A EPIC STA 6 - 20	Contacts:	Copper alloy, silver plated
Pollution Level:	2	Contact Resistance:	<2mOhm
Test Voltage:	1.0 kV	Mating Cycles:	100 (higher mating cycles depends on the application)

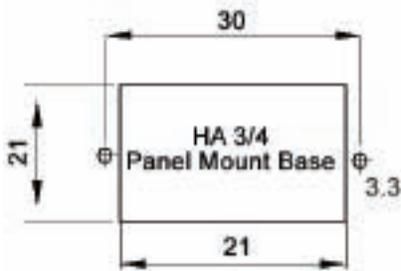
STA INSERTS: DERATING CURVES

STA: 1.0 mm² (18 AWG)

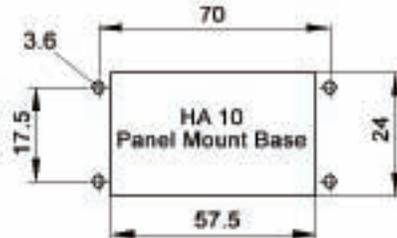


TECHNICAL DATA: PANEL CUT-OUTS

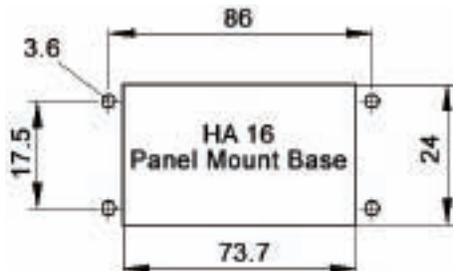
STA 6 Inserts fit into



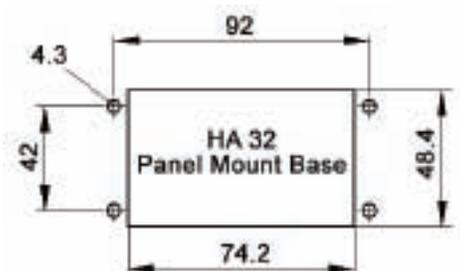
STA 14 Inserts fit into



STA 20 Inserts fit into



STA 40 Inserts fit into

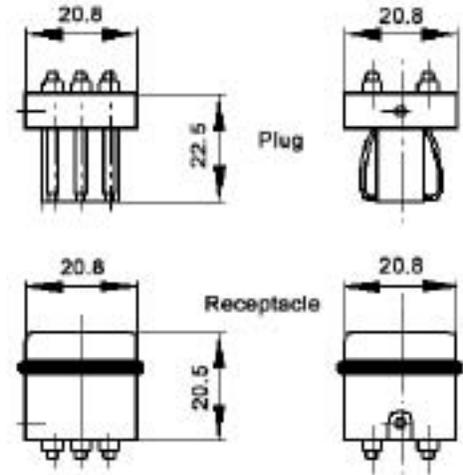
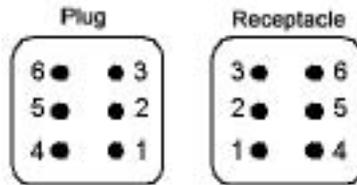


All dimensions are in mm.

SCREW TERMINATED INSERTS



View from cable side



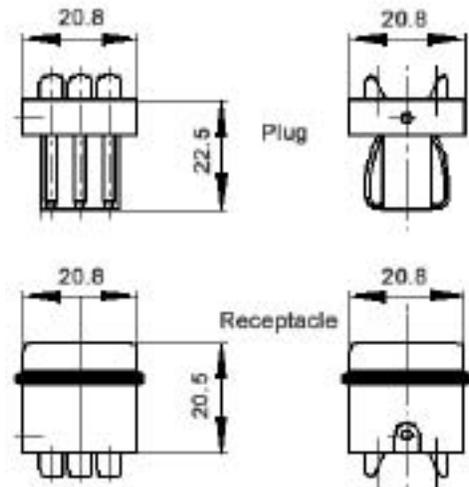
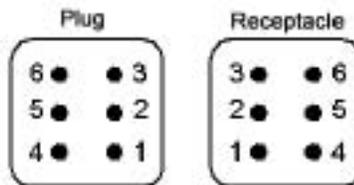
All dimensions are in mm.

	Plug	Receptacle
Screw Termination	10.4881	10.4861

SOLDER TERMINATED INSERTS



View from cable side



	Plug	Receptacle
Solder Termination	10.4872	10.4852

MATING COMPONENTS

STA 6 Plugs & Receptacles fit into the EPIC® HA 3/4 Housings. Following is a quick reference for the mating components. Diagrams are located in the HA Section of the catalog (Page 239). Please note that metric parts are available.

EPIC® CONNECTORS

HA 3/4 Housings: Single Lever on Base for STA 6 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	-

EPIC® CONNECTORS

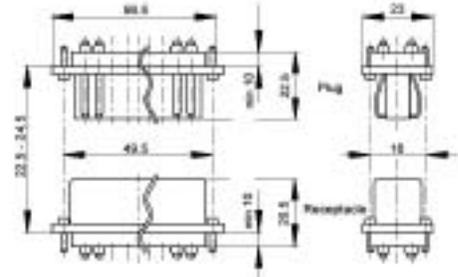
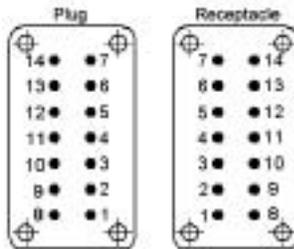
STA 14 Plugs & Receptacles



SCREW TERMINATED INSERTS



View from cable side



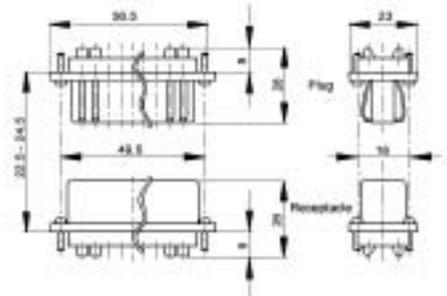
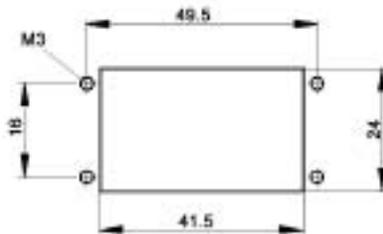
Same panel cut out as solder terminated inserts

	Plug	Receptacle
Screw Termination	10.4931	10.4911

SOLDER TERMINATED INSERTS



Panel Cut-Out (Insert Only)



All dimensions are in mm.

Same view from cable side as screw terminated inserts

	Plug	Receptacle
Solder Termination	10.4922	10.4902

MATING COMPONENTS

STA 14 Plugs & Receptacles fit into the EPIC® HA 10 Housings. Following is a quick reference for the mating components. Diagrams are located in the HA Section of the catalog. Please note that metric parts are available.

Standard Grey Coating (NEMA 4)

EP Black Coating (NEMA 4X)

PG

NPT

METRIC

PG

NPT

METRIC



EPIC® CONNECTORS

HA 10 Housings: Single Lever on Base for STA 14 Inserts



HOODS



STANDARD PROFILE

Position of Cable Entry	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
Top Entry	13.5	1/2"	10.446010	10.4460 NP	-	-
	16	1/2"	10.446110	10.4461 NP	70.4610	70.4610 NP
Side Entry	16	1/2"	10.445010	10.4450 NP	70.4630	70.4630 NP
	21	3/4"	10.445510	10.4455 NP	-	-

HIGH PROFILE

Position of Cable Entry	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
Top Entry	16	1/2"	70.4602	70.4602 NP	70.4612	70.4612 NP
	21	3/4"	70.4604	70.4604 NP	70.4614	70.4614 NP
Side Entry	16	1/2"	70.4622	70.4622 NP	70.4632	70.4632 NP
	21	3/4"	70.4624	70.4624 NP	70.4634	70.4634 NP



PANEL MOUNT BASES

Description	Standard Grey Coating	Black Coating (EP)
Without Dust Cover	10.4420	70.4425
With Dust Cover	70.4440	70.4445

SURFACE MOUNT BASES



WITHOUT DUST COVER

Number of Entries	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
1 Entry	16	1/2"	10.4481	10.4481 NP	70.4472	70.4472 NP
	21	3/4"	10.4480	10.4480 NP	70.4474	70.4474 NP
2 Entries	16	1/2"	10.4501	10.4501 NP	70.4482	70.4482 NP
	21	3/4"	10.4500	10.4500 NP	70.4484	70.4484 NP

WITH DUST COVER

Number of Entries	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
1 Entry	16	1/2"	70.4552	70.4552 NP	70.4572	70.4572 NP
	21	3/4"	70.4554	70.4554 NP	70.4574	70.4574 NP
2 Entries	16	1/2"	70.4562	70.4562 NP	70.4582	70.4582 NP
	21	3/4"	70.4564	70.4564 NP	70.4584	70.4584 NP



CABLE COUPLER HOOD

Profile	Size of Entry		Without Cable Gland		With Cable Gland	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
Standard Profile	13.5	1/2"	10.4390	10.4390 NP	-	-
	16	1/2"	70.4500	70.4500 NP	70.4510	70.4510 NP
High Profile	21	3/4"	70.4504	70.4504 NP	70.4514	70.4514 NP

DUST COVERS WITH OR WITHOUT ATTACHMENT STRING



Material: Thermoplastic Resin

Temperature: -40°C to 125°C

	Part # with string	Part # without string
Dust cover for HA 10 Panel Mount or Surface Mount Base/ Cable Coupler hoods (includes gasket)	10.4575	10.4577
Dust cover for HA 10 Hoods	10.4576	10.4578

EPIC® CONNECTORS

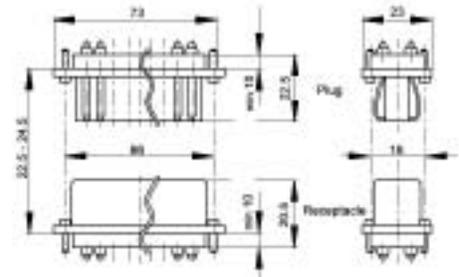
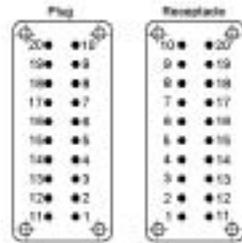
STA 20 Plugs & Receptacles



SCREW TERMINATED INSERTS



View from cable side



All dimensions are in mm.

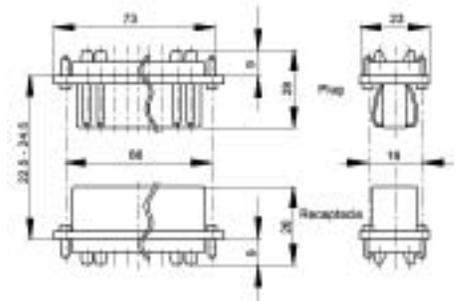
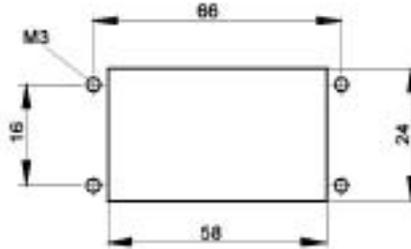
Same panel cut out as solder terminated inserts

	Plug	Receptacle
Screw Termination	10.5031	10.5011

SOLDER TERMINATED INSERTS



Panel Cut-Out (Insert Only)



All dimensions are in mm.

Same view from cable side as screw terminated inserts

	Plug	Receptacle
Solder Termination	10.5022	10.5002

MATING COMPONENTS

STA 20 Plugs & Receptacles fit into the EPIC® HA 16 Housings. Following is a quick reference for the mating components. Diagrams are located in the HA Section of the catalog (Page 245). Please note that metric parts are available.

Standard Grey Coating (NEMA 4)

EP Black Coating (NEMA 4X)

PG

NPT

METRIC

PG

NPT

METRIC



EPIC® CONNECTORS

HA 16 Housings: Single Lever on Base for STA 20 Inserts



HOODS

STANDARD PROFILE

Position of Cable Entry	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
Top Entry	16	1/2"	10.565010	10.5650 NP	70.4910	70.4910 NP
	21	3/4"	10.565210	10.5652 NP	-	-
Side Entry	16	1/2"	10.564010	10.5640 NP	70.4930	70.4930 NP
	21	3/4"	10.564510	10.5645 NP	-	-

HIGH PROFILE

Position of Cable Entry	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
Top Entry	16	1/2"	70.4902	70.4902 NP	70.4912	70.4912 NP
	21	3/4"	70.4904	70.4904 NP	70.4914	70.4914 NP
Side Entry	16	1/2"	70.4922	70.4922 NP	70.4932	70.4932 NP
	21	3/4"	70.4924	70.4924 NP	70.4934	70.4934 NP



PANEL MOUNT BASES

Description	Standard Grey Coating	Black Coating (EP)
Without Dust Cover	10.4620	70.4725
With Dust Cover	70.4740	70.4745

SURFACE MOUNT BASES

WITHOUT DUST COVER

Number of Entries	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
1 Entry	16	1/2"	10.5671	10.5671 NP	70.4772	70.4772 NP
	21	3/4"	10.5670	10.5670 NP	70.4774	70.4774 NP
2 Entries	16	1/2"	10.5681	10.5681 NP	70.4782	70.4782 NP
	21	3/4"	10.5680	10.5680 NP	70.4784	70.4784 NP

WITH DUST COVER

Number of Entries	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
1 Entry	16	1/2"	70.4852	70.4852 NP	70.4872	70.4872 NP
	21	3/4"	70.4854	70.4854 NP	70.4874	70.4874 NP
2 Entries	16	1/2"	70.4862	70.4862 NP	70.4882	70.4882 NP
	21	3/4"	70.4864	70.4864 NP	70.4884	70.4884 NP



CABLE COUPLER HOOD

Profile	Size of Entry		Without Cable Gland		With Cable Gland	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
Standard Profile	16	1/2"	10.5630	10.5630 NP	70.4810	70.4810 NP
High Profile	16	1/2"	70.4802	70.4802 NP	70.4812	70.4812 NP
	21	3/4"	70.4804	70.4804 NP	70.4814	70.4814 NP

DUST COVERS WITH OR WITHOUT ATTACHMENT STRING



Material:	Thermoplastic Resin	Temperature:	-40°C to 125°C
	Part # with string	Part # without string	
Dust cover for HA 16 Panel Mount or Surface Mount Base/ Cable Coupler hoods (includes gasket)	10.4695	10.4697	
Dust cover for HA 16 Hoods	10.4696	10.4698	

EPIC® CONNECTORS

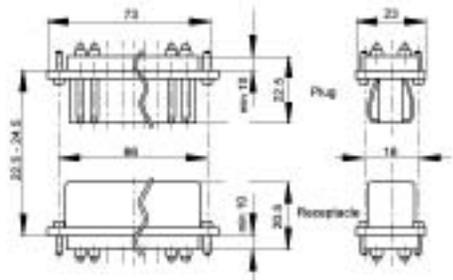
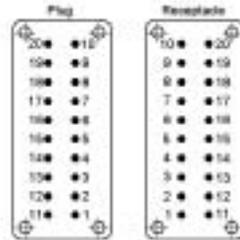
STA 40 Plugs & Receptacles



SCREW TERMINATED INSERTS



View from cable side



All dimensions are in mm.

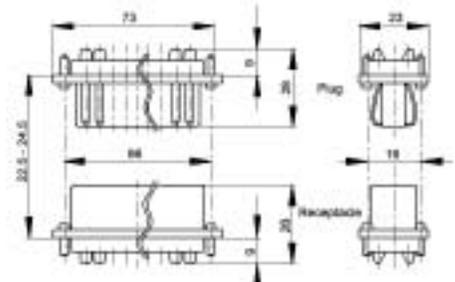
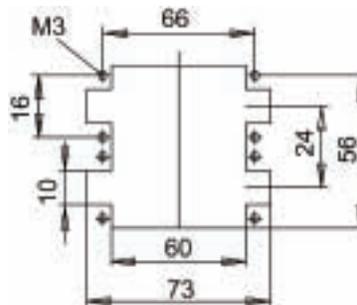
Same panel cut out as solder terminated inserts

	Plug	Receptacle
Screw Termination (2X)	10.5031	10.5011

SOLDER TERMINATED INSERTS



Panel Cut-Out (Insert Only)



All dimensions are in mm.

Same view from cable side as screw terminated inserts

	Plug	Receptacle
Solder Termination (2X)	10.5022	10.5002

MATING COMPONENTS

STA 40 Plugs & Receptacles fit into the EPIC® HA 32 Housings. Following is a quick reference for the mating components. Diagrams are located in the HA Section of the catalog (Page 249). Please note that metric parts are available.

Standard Grey Coating (NEMA 4)

EP Black Coating (NEMA 4X)

PG

NPT

METRIC

PG

NPT

METRIC



EPIC® CONNECTORS

HA 32 Housings: Double Levers on Base for STA 40 Inserts



HOODS



Position of Cable Entry	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
Top Entry	21	3/4"	10.5820	10.5820 NP	70.5212	70.5212 NP
	29	1"	10.5830	10.5830 NP	70.5214	70.5214 NP
Side Entry	21	3/4"	10.5760	10.5760 NP	70.5232	70.5232 NP
	29	1"	10.5770	10.5770 NP	70.5234	70.5234 NP

PANEL MOUNT BASES



Description	Standard Grey Coating	Black Coating (EP)
Without Dust Cover	10.4720	70.5025

SURFACE MOUNT BASES



# of Entries	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
1 Entry	21	3/4"	10.4740	10.4740 NP	70.5072	70.5072 NP
	29	1"	10.4741	10.4741 NP	70.5074	70.5074 NP
2 Entries	21	3/4"	10.4820	10.4820 NP	70.5082	70.5082 NP
	29	1"	10.4821	10.4821 NP	70.5084	70.5084 NP



CABLE COUPLER HOOD

Size of Entry		Standard Grey Coating		Black Coating (EP)	
PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
21	3/4"	10.5880	10.5880 NP	70.5110	70.5110 NP
29	1"	10.5885	10.5885 NP	70.5112	70.5112 NP

DUST COVERS WITH OR WITHOUT ATTACHMENT STRING



Material: Thermoplastic Resin

Temperature: -40°C to 125°C

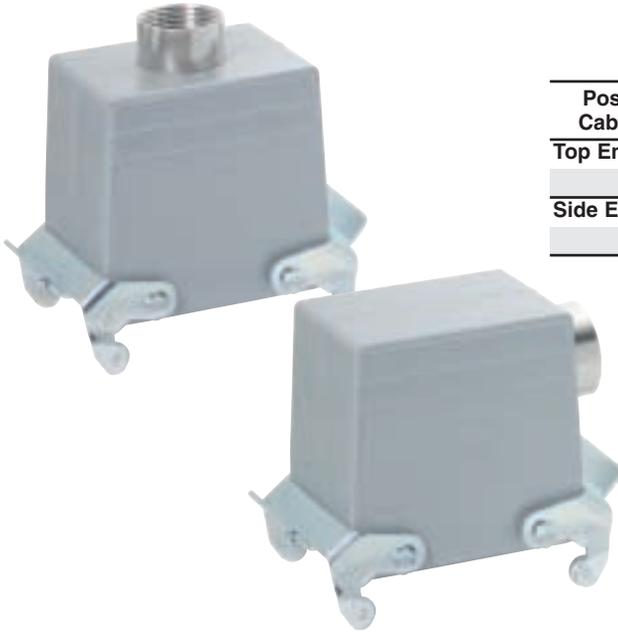
	Part # with string	Part # without string
Dust cover for HA 32 Panel Mount or Surface Mount Base/ Cable Coupler hoods	10.4815	10.4817
Dust cover for HA 32 Hoods (includes gasket)	10.4816	10.4818

EPIC® CONNECTORS

HA 32 Housings: Double Levers on Hood for STA 40 Inserts



HOODS



Position of Cable Entry	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
Top Entry	21	3/4"	10.5840	10.5840 NP	70.5262	70.5262 NP
	29	1"	10.5850	10.5850 NP	70.5264	70.5264 NP
Side Entry	21	3/4"	10.5780	10.5780 NP	70.5282	70.5282 NP
	29	1"	10.5790	10.5790 NP	70.5284	70.5284 NP

PANEL MOUNT BASES



WITH DUST COVER

Description	Standard Grey Coating	Black Coating (EP)
Without Dust Cover	10.4731	-
With Dust Cover	70.5030	70.5035

SURFACE MOUNT BASES



WITH DUST COVER

# of Entries	Size of Entry		Standard Grey Coating		Black Coating (EP)	
	PG	NPT	PG Part #	NPT Part #	PG Part #	NPT Part #
1 Entry	21	3/4"	70.5152	70.5152 NP	70.5172	70.5172 NP
	29	1"	70.5154	70.5154 NP	70.5174	70.5174 NP
2 Entries	21	3/4"	70.5162	70.5162 NP	70.5182	70.5182 NP
	29	1"	70.5164	70.5164 NP	70.5184	70.5184 NP

