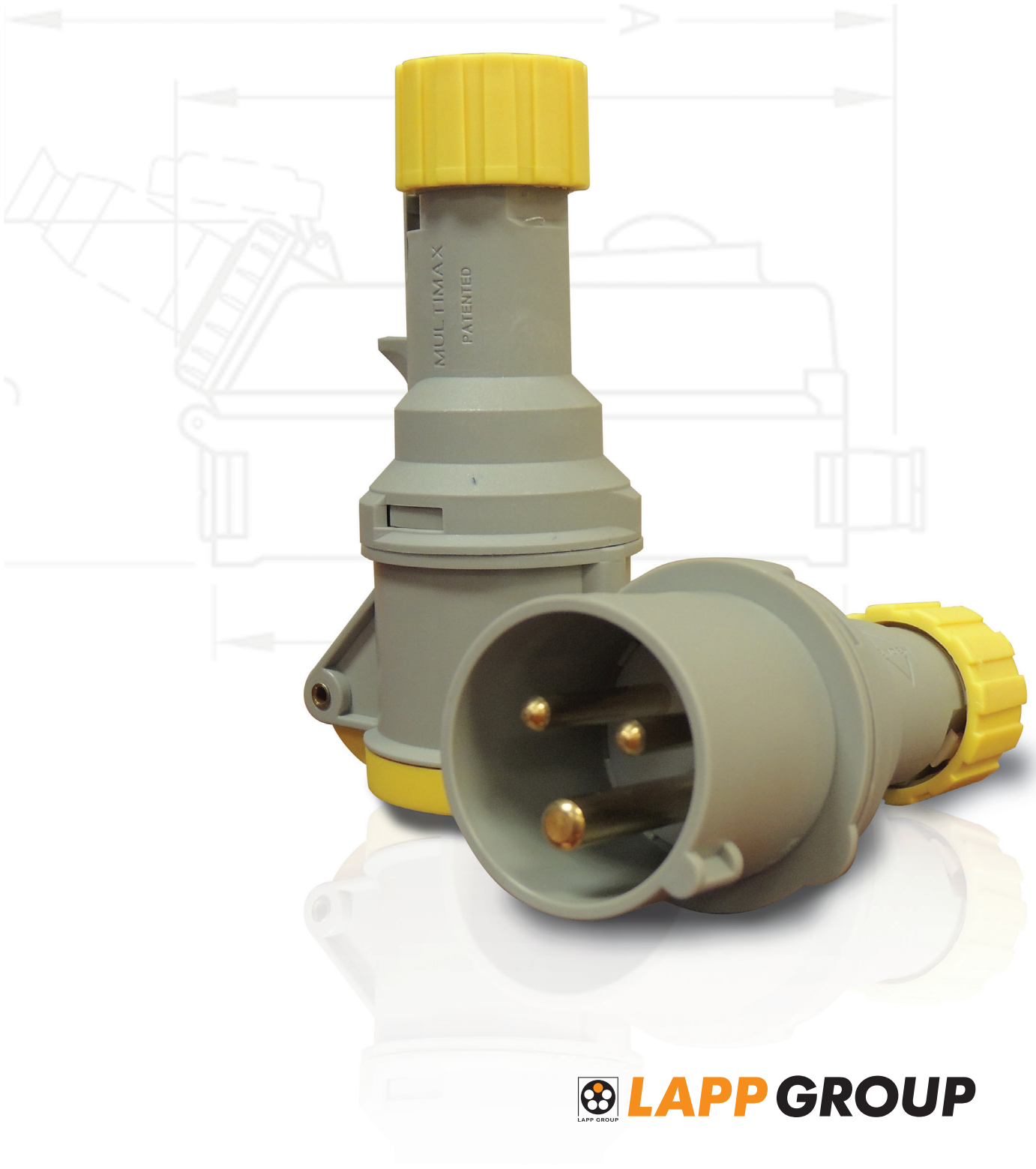


# EPIC® PIN & SLEEVE

Power Connectors for Industrial Applications



**LAPP GROUP**



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# When you think pin & sleeve, think EPIC<sup>®</sup> from Lapp Group.

## Not all pin & sleeve connectors are alike.

Pin & sleeve connectors are often the preferred solution for supplying power to equipment like portable generators, construction equipment, lighting, compressors, conveyors, and heavy duty tools. And there's no better choice than EPIC<sup>®</sup> pin & sleeve components and mechanical interlock devices from Lapp Group. They provide reliable performance in a wide variety of environments where dirt, water, moisture and high levels of traffic could compromise power delivery.

Lapp Group's pin & sleeve products are safe, quick and easy to install, which will save you both time and money. When compared to other components, ours are available at more reasonable price points and with the following performance advantages:

- Conforms to IEC 60309-1 and -2 global standards
- Patented click-lock housing for quick and easy assembly
- Spring-loaded cover to protect against dirt and water
- Protective shroud to prevent accidental shock
- Compatibility with other cable glands
- Screwless entry into the wiring compartment
- Color coding for easy identification and safety
- Rugged high-impact housings





Lapp Group's UL Approved North American EPIC® pin & sleeve devices are available in 20, 30, 60, and 100 amps. International rated devices are available in 16, 32, 63, and 125 amps. Both North American and international components are available in splash-proof (IP44) and watertight (IP67) configurations.

Whether for new installations or replacing worn out components as part of a maintenance and repair order, Lapp Group has the selection of products that has excelled in an array of industries and applications.

- Entertainment – stages and outdoor venues
- Temporary and ongoing construction sites
- Mining
- Food and beverage plants
- Automotive plants

### Why Lapp Group

At Lapp Group, we understand the critical role all of our products play in our clients' operations in a wide array of industries and applications. Our business partners depend on the quality, performance, reliability, and durability of our connectivity solutions even in the most demanding conditions. When you choose Lapp Group, you connect with a billion dollar global organization with a rich history of innovation and product development. You connect with a company that combines international capabilities with domestic manufacturing; ensuring product quality and availability. And you connect with unrivaled customer support that is always there for you.

### LAPP GROUP'S EPIC® PIN & SLEEVE OFFERING:

#### PLUGS & CONNECTORS

EPIC® MULTIMAX  
EPIC® CEE

#### RECEPTACLES

EPIC® CEE

#### INLETS

EPIC® CEE

#### MECHANICAL INTERLOCK DEVICES

EPIC® ULYSSE  
EPIC® ALUPRES

Plugs mate with connectors, panel-mounted receptacles, and switched-socket outlets.

Additional configurations are available: call your Lapp sales representative.



# LAPP GROUP

# QUICK SELECT

## North American Standard

### IP44 Splash-proof



Voltage / Current Rating	# of Poles	Ground-Clock Position	Color Code	MULTIMAX Plug	CEE 90° Plug	MULTIMAX Connector	CEE Flush Mount Receptacle	CEE Surface Mount Receptacle	ULYSSE Mechanical Interlock*	ALUPRES Mechanical Interlock*
<b>20A</b>										
125	1+N+PE	4	Yellow	700124FX	475202FX	720124FX	431611FX	471262FX	400124FX	460124FX
250	2+PE	6	Blue	700126FX	475302FX	720126FX	431622FX	471362FX	400126FX	460126FX
3Ø 250	3+PE	9	Light Blue	700139FX	475312FX	720139FX	441622FX	471372FX	400139FX	460139FX
3Ø 480	3+PE	7	Red	700137FX	475512FX	720137FX	441650FX	471572FX	400137FX	460137FX
<b>30A</b>										
125	1+N+PE	4	Yellow	700224FX		720224FX	433211FX	471266FX	400224FX	460224FX
250	2+PE	6	Blue	700226FX		720226FX	433222FX	471366FX	400226FX	460226FX
3Ø 250	3+PE	9	Light Blue	700239FX		720239FX	443222FX	471376FX	400239FX	460239FX
3Ø 480	3+PE	7	Red	700237FX		720237FX	443250FX	471576FX	400237FX	460237FX
3Ø Y 120/208	3+N+PE	9	Light Blue	700249FX		720249FX	453222FX	471386FX	400249FX	460249FX

\* for use with plugs

### IP67 Watertight



Voltage / Current Rating	# of Poles	Ground-Clock Position	Color Code	CEE Plug	CEE Connector	CEE Angled Panel Mount Receptacle	CEE Flush Mount Receptacle	CEE Wall Mount Inlet	CEE Flush Mount Inlet	ULYSSE Mechanical Interlock*	ALUPRES Mechanical Interlock*
<b>20A</b>											
125	1+N+PE	4	Yellow	477203FX	473203FX	471263FX		476203FX		400124FX	460124FX
250	2+PE	6	Blue	477303FX	473303FX	471363FX		476303FX		400126FX	460126FX
3Ø 250	3+PE	9	Light Blue	477313FX	473313FX	471373FX		476313FX		400139FX	460139FX
3Ø 480	3+PE	7	Red	477513FX	473513FX	471573FX		476513FX		400137FX	460137FX
<b>30A</b>											
125	1+N+PE	4	Yellow	477206FX	473206FX	471267FX		476206FX		400224FX	460224FX
250	2+PE	6	Blue	477306FX	473306FX	471367FX		476306FX		400226FX	460226FX
3Ø 250	3+PE	9	Light Blue	477316FX	473316FX	471377FX		476316FX		400239FX	460239FX
3Ø 480	3+PE	7	Red	477516FX	473516FX	471577FX		476516FX		400237FX	460237FX
3Ø Y 120/208	3+N+PE	9	Light Blue	477326FX	473326FX	471387FX		476326FX		400249FX	460249FX
<b>60A</b>											
3Ø 250	3+PE	9	Light Blue	477317FX	473317FX	546322FX	446322FX		476317FX	408339FX	
3Ø 480	3+PE	7	Red	477517FX	346350FX	546350FX	446350FX		476517FX	408337FX	
3Ø 120/208	3+N+PE	9	Light Blue	477327FX	473327FX	556322FX	456322FX		476327FX	408349FX	
<b>100A</b>											
3Ø 250	3+PE	9	Light Blue	477318FX	473318FX	549322FX	449322FX		476318FX		
3Ø 480	3+PE	7	Red	249550FX	349550FX	549550FX	449550FX		749550FX		
3Ø 120/208	3+N+PE	9	Light Blue	477328FX	473328FX	559322FX	459322FX		476328FX		

\* for use with plugs

### Watertight Covers for IP67 Plugs & Inlets North American & International Devices

Part Number	Device Rating	Plug Type
476903	20/16	2+PE
476913	20/16	3+PE
476923	20/16	3+N+PE
476905	30/32	2+PE
476905	30/32	3+PE
476925	30/32	3+N+PE
476907	60/63	all
476909	100/125	all



**IP44**  
Splash-proof



Voltage / Current Rating	# of Poles	Ground-Clock Position	Color Code	MULTIMAX Plug	MULTIMAX Connector	CEE Flush Mount Receptacle	CEE Surface Mount Receptacle	ULYSSE Mechanical Interlock*	ALUPRES Mechanical Interlock*
<b>16A</b>									
110 - 130	2+PE	4	Yellow	700124	720124	431611	471262	400124	460124
200 - 250	2+PE	6	Blue	700126	720126	431622	471362	400126	460126
200 - 250	3+PE	9	Light Blue	700139	720139	441622	471372	400139	460139
380 - 415	3+PE	6	Red	700136	720136	441638	471472	400136	460136
200 - 250	3+N+PE	9	Light Blue	700149	720149	451622	471332	400149	—
380 - 415	3+N+PE	6	Red	700146	720146	451638	471482	400146	460146
<b>32A</b>									
110 - 130	2+PE	4	Yellow	700224	720224	433211	471266	400224	460224
200 - 250	2+PE	6	Blue	700226	720226	433222	471366	400226	460226
200 - 250	3+PE	9	Light Blue	700239	720239	443222	471376	400239	460239
380 - 415	3+PE	6	Red	700236	720236	443238	471476	400236	460236
200 - 250	3+N+PE	9	Light Blue	700249	720249	453222	471386	400249	460249
380 - 415	3+N+PE	6	Red	700246	720246	453238	471486	400246	460246

\* for use with plugs

**IP67**  
Watertight



Voltage / Current Rating	# of Poles	Ground-Clock Position	Color Code	CEE Plug	CEE Connector	CEE Angled Panel Mount Receptacle	CEE Flush Mount Receptacle	CEE Wall Mount Inlet	CEE Flush Mount Inlet	ULYSSE Mechanical Interlock*	ALUPRES Mechanical Interlock*
<b>16A</b>											
110 - 130	2+PE	4	Yellow	477203	473203	471263		476203		400124	460124
200 - 250	2+PE	6	Blue	477303	473303	471363		476303		400126	460126
200 - 250	3+PE	9	Light Blue	477313	473313	471373		476313		400139	460139
380 - 415	3+PE	6	Red	477413	473413	471473		476413		400136	460136
200 - 250	3+N+PE	9	Light Blue	477323	473323	471333		476323		400149	—
380 - 415	3+N+PE	6	Red	477423	473423	471483		476423		400146	460146
<b>32A</b>											
110 - 130	2+PE	4	Yellow	477206	473206	471267		476206		400224	460224
200 - 250	2+PE	6	Blue	477306	473306	471367		476306		400226	460226
200 - 250	3+PE	9	Light Blue	477316	473316	471377		476316		400239	460239
380 - 415	3+PE	6	Red	477416	473416	471477		476416		400236	460236
200 - 250	3+N+PE	9	Light Blue	477326	473326	471387		476326		400249	460249
380 - 415	3+N+PE	6	Red	477426	473426	471487		476426		400246	460246
<b>63A</b>											
200 - 250	3+PE	9	Light Blue	477317	473317	546322	446322		476317	408339FX	
380 - 415	3+PE	6	Red	477417	346338	546338	446338		746338	408337FX	
200 - 250	3+N+PE	9	Light Blue	477327	473327	556322	456322		476327	408349FX	
380 - 415	3+N+PE	6	Red	477427	356338	556338	456338		756338	—	
<b>125A</b>											
200 - 250	3+PE	9	Light Blue	477318	473318	549322	449322		476318		
380 - 415	3+PE	6	Red	249538	349538	549538	449538		749538		
200 - 250	3+N+PE	9	Light Blue	477328	473328	559322	459322		476328		
380 - 415	3+N+PE	6	Red	259538	359538	559538	459538		759538		

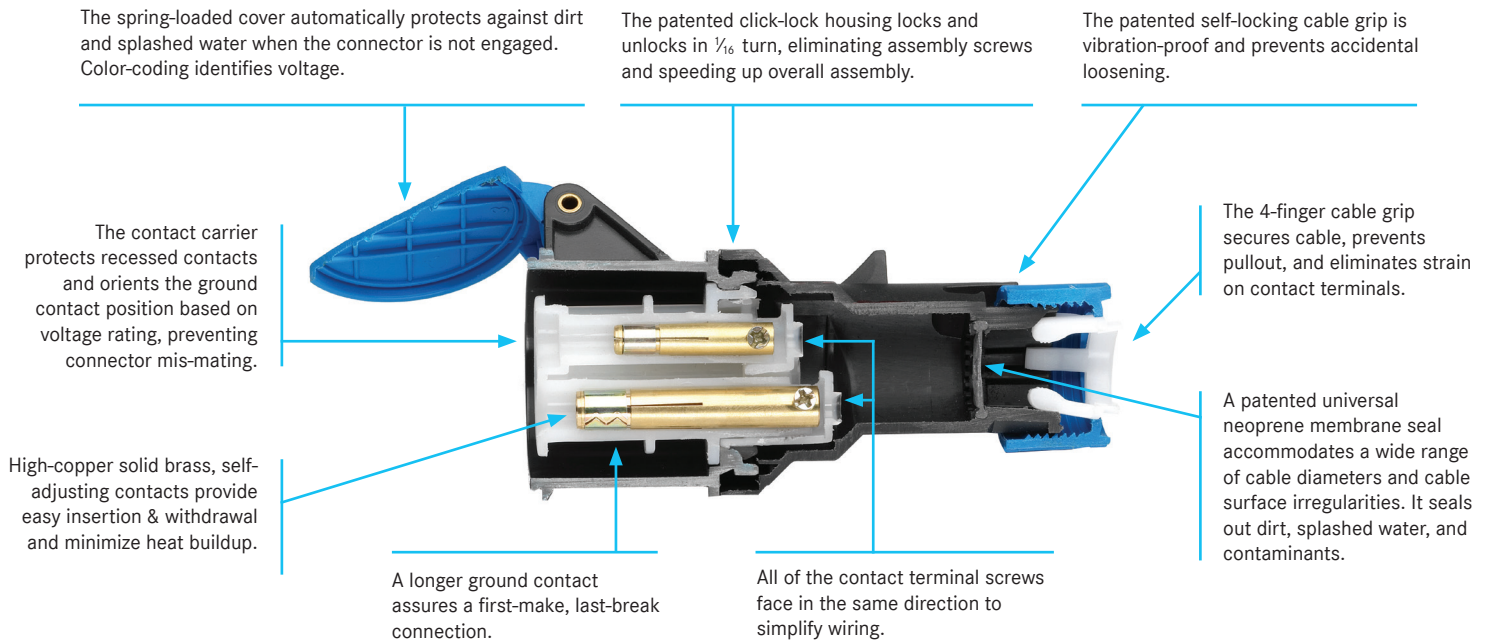
\* for use with plugs

MULTIMAX IP67 plug & connectors are also available, see pages 15 & 17

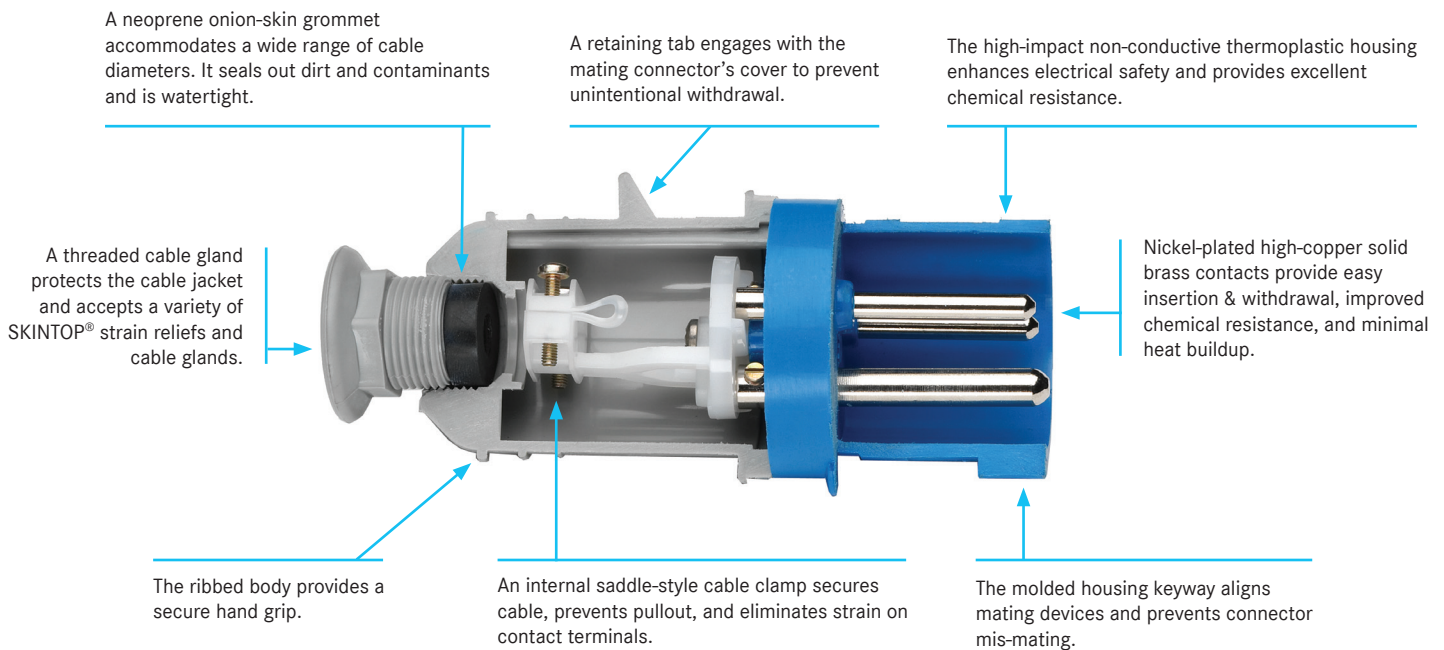


# CONSTRUCTION

## EPIC® MULTIMAX IP44 Connectors

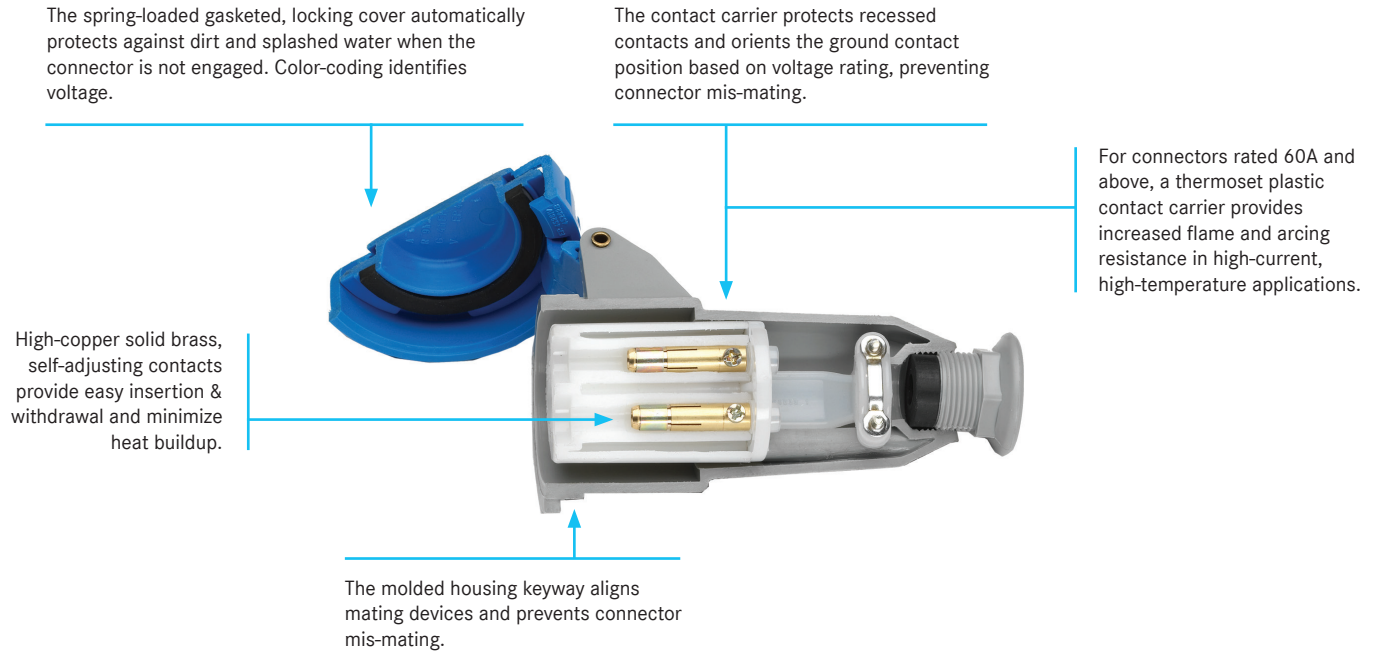


## EPIC® CEE IP44 Plugs

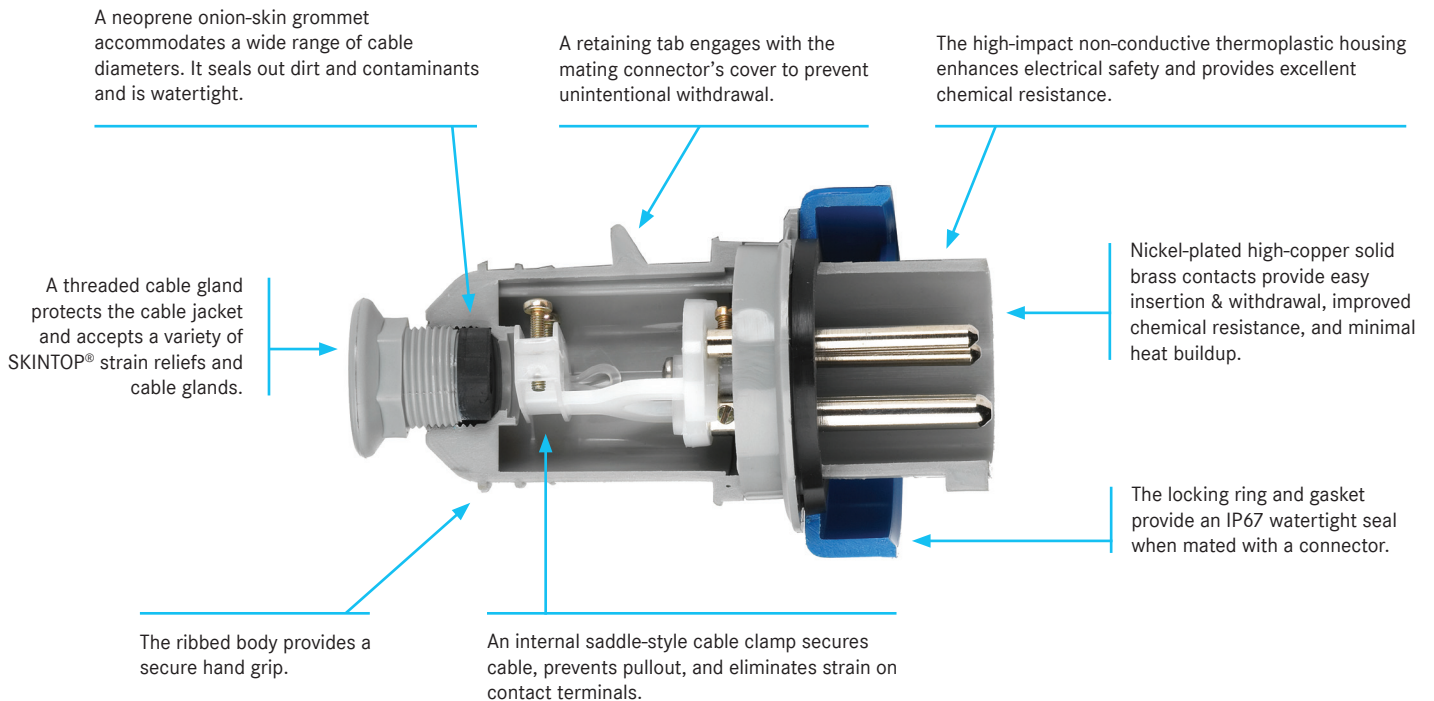




## EPIC® CEE IP67 Connectors



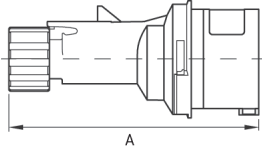
## EPIC® CEE IP67 Plugs



# PLUGS

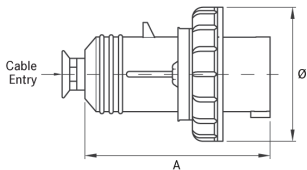
## North American Standard

### EPIC® MULTIMAX Plugs (IP44) cUL<sup>us</sup>



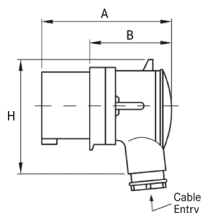
Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Length (in) A
<b>20A</b>						
700124FX	3	125	1+N+PE	4	Yellow	5.00
700126FX	3	250	2+PE	6	Blue	
700139FX	4	3Ø 250	3+PE	9	Blue	5.28
700137FX	4	3Ø 480	3+PE	7	Red	
<b>30A</b>						
700224FX	3	125	1+N+PE	4	Yellow	6.06
700226FX	3	250	2+PE	6	Blue	
700239FX	4	3Ø 250	3+PE	9	Blue	6.06
700237FX	4	3Ø 480	3+PE	7	Red	
700249FX	5	3Ø Y 120/208	3+N+PE	9	Blue	6.81

### EPIC® CEE Plugs (IP67) cUL<sup>us</sup>



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Dimensions (in)		Cable Entry	SKINTOP® SL Cable Gland
						A	Ø		
<b>20A</b>									
477203FX	3	125	1+N+PE	4	Yellow	4.41	2.87	PG 13	53015030
477303FX	3	250	2+PE	6	Blue				
477313FX	4	3Ø 250	3+PE	9	Blue	4.61	3.15	PG 16	53015040
477513FX	4	3Ø 480	3+PE	7	Red				
<b>30A</b>									
477206FX	3	125	1+N+PE	4	Yellow	5.55	3.70	PG 21	53015050
477306FX	3	250	2+PE	6	Blue				
477316FX	4	3Ø 250	3+PE	9	Blue	5.55	3.70	PG 21	53015050
477516FX	4	3Ø 480	3+PE	7	Red				
477326FX	5	3Ø Y 120/208	3+N+PE	9	Blue	5.55	3.98	PG 21	53015050
<b>60A</b>									
477317FX	4	3Ø 250	3+PE	9	Blue	8.19	4.33	PG 29	53015060
477517FX	4	3Ø 480	3+PE	7	Red				
477327FX	5	3Ø 120/208	3+N+PE	9	Blue	8.19	4.33	PG 29	53015060
<b>100A</b>									
477318FX	4	3Ø 250	3+PE	9	Blue	11.14	4.96	NP 2"	-
249550FX	4	3Ø 480	3+PE	7	Red				
477328FX	5	3Ø 120/208	3+N+PE	9	Blue	11.14	4.96	NP 2"	-

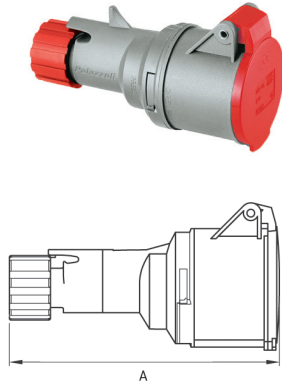
### EPIC® CEE 90° Plugs (IP44) cUL<sup>us</sup>












Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Dimensions (in)			Cable Entry	SKINTOP® SL Cable Gland
						A	B	H		
<b>20A</b>										
475202FX	3	125	1+N+PE	4	Yellow	3.50	2.05	2.87	PG 13	53015030
475302FX	3	250	2+PE	6	Blue					
475312FX	4	3Ø 250	3+PE	9	Blue	3.82	2.36	3.31	PG 16	53015040
475512FX	4	3Ø 480	3+PE	7	Red					

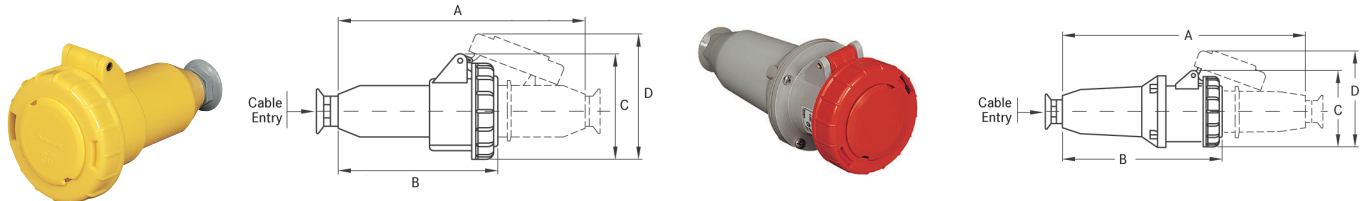
Photographs are not to scale and are not true representations of the products in question. If not otherwise specified, all values relating to the product are nominal values. For current information go to our website.
















EPIC® MULTIMAX Connectors (IP44) 



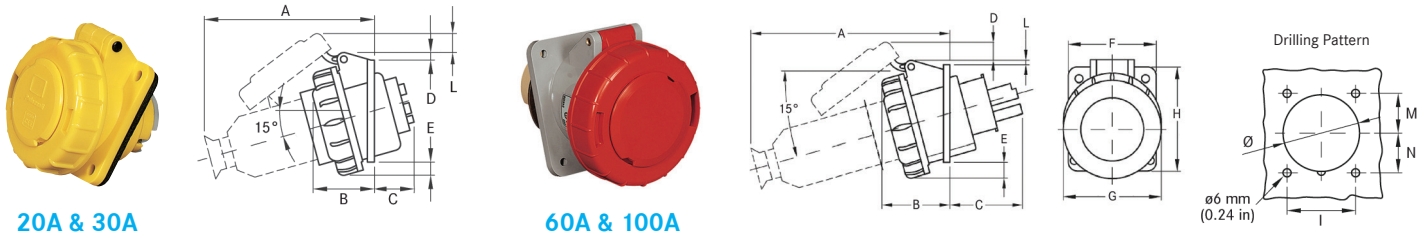
Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Length (in) A
<b>20A</b>						
720124FX	3	125	1+N+PE	4		5.28
720126FX	3	250	2+PE	6		
720139FX	4	3Ø 250	3+PE	9		5.63
720137FX	4	3Ø 480	3+PE	7		
<b>30A</b>						
720224FX	3	125	1+N+PE	4		6.42
720226FX	3	250	2+PE	6		
720239FX	4	3Ø 250	3+PE	9		6.42
720237FX	4	3Ø 480	3+PE	7		
720249FX	5	3Ø Y 120/208	3+N+PE	9		7.17

EPIC® CEE Connectors (IP67) 



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Dimensions (in)				Cable Entry	SKINTOP® SL Cable Gland
						A	B	C	D		
<b>20A</b>											
473203FX	3	125	1+N+PE	4		7.28	4.72	3.23	3.93	PG 13	53015030
473303FX	3	250	2+PE	6							
473313FX	4	3Ø 250	3+PE	9		7.68	4.88	3.54	4.21	PG 16	53015040
473513FX	4	3Ø 480	3+PE	7							
<b>30A</b>											
473206FX	3	125	1+N+PE	4		9.37	6.02	4.13	4.92	PG 21	53015050
473306FX	3	250	2+PE	6							
473316FX	4	3Ø 250	3+PE	9		9.37	6.02	4.13	4.92	PG 21	53015050
473516FX	4	3Ø 480	3+PE	7							
473326FX	5	3Ø Y 120/208	3+N+PE	9		9.37	6.02	4.33	5.12	PG 21	53015050
<b>60A</b>											
473317FX	4	3Ø 250	3+PE	9		14.76	9.76	4.72	5.91	PG 29	53015060
346350FX	4	3Ø 480	3+PE	7							
473327FX	5	3Ø 120/208	3+N+PE	9		14.76	9.76	4.72	5.91	PG 29	53015060
<b>100A</b>											
473318FX	4	3Ø 250	3+PE	9		19.02	11.42	5.12	6.61	NPT 2"	—
349550FX	4	3Ø 480	3+PE	7							
473328FX	5	3Ø 120/208	3+N+PE	9		19.02	11.42	5.12	6.61	NPT 2"	—

### EPIC® CEE Angled Panel Mount Receptacles (IP67)

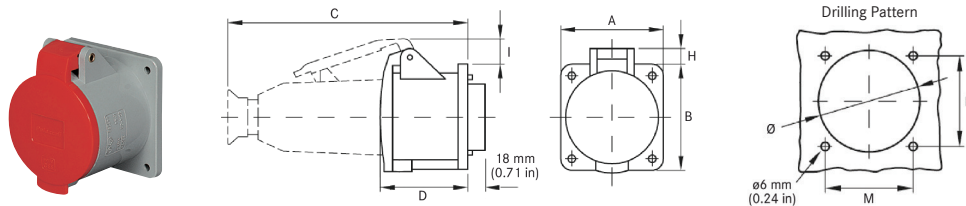











20A & 30A

60A & 100A

Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Receptacle Dimensions (in)								Drilling Dimensions (in)				
						A	B	C	D	E	F	G	H	L	I	M	N	Ø
<b>20A</b>																		
471263FX	3	125	1+N+PE	4		4.84	1.81	1.22	0.28	0.35	2.44	3.03	2.76	0.59	1.85	1.02	1.14	2.09
471363FX	3	250	2+PE	6														
471373FX	4	3Ø 250	3+PE	9														
471573FX	4	3Ø 480	3+PE	7		5.24	1.89	1.18	0.24	0.39	2.76	3.15	3.03	0.59	2.09	1.18	1.18	2.36
<b>30A</b>																		
471267FX	3	125	1+N+PE	4		6.18	2.20	1.54	0.12	0.28	3.35	3.70	3.82	0.79	2.36	1.38	1.46	2.76
471367FX	3	250	2+PE	6														
471377FX	4	3Ø 250	3+PE	9														
471577FX	4	3Ø 480	3+PE	7		6.18	2.20	1.54	0.12	0.24	3.35	3.70	3.82	0.79	2.36	1.38	1.46	2.76
471387FX	5	3Ø Y 120/208	3+N+PE	9		6.22	2.28	1.50	0.12	0.30	3.54	3.98	4.13	0.79	2.56	1.50	1.65	2.95
<b>60A</b>																		
546322FX	4	3Ø 250	3+PE	9		8.90	3.15	3.15	0.91	0.39	3.94	4.29	4.25	0.31	3.03	1.54	1.81	3.39
546350FX	4	3Ø 480	3+PE	7														
556322FX	5	3Ø 120/208	3+N+PE	9		5.24	1.89	1.18	0.24	0.39	2.76	3.15	3.03	0.59	2.09	1.18	1.18	2.36
<b>100A</b>																		
549322FX	4	3Ø 250	3+PE	9		12.60	3.98	3.23	1.38	0.79	4.49	5.03	4.49	0.31	3.54	1.69	1.85	3.78
549550FX	4	3Ø 480	3+PE	7														
559322FX	5	3Ø 120/208	3+N+PE	9		12.60	3.98	3.23	1.38	0.79	4.49	5.03	4.49	0.31	3.54	1.69	1.85	3.78

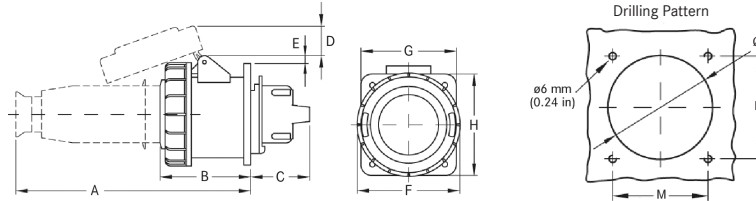
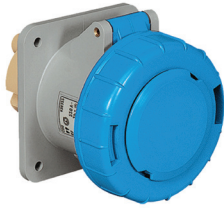
### EPIC® CEE Flush Mount Receptacles (IP44)



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Receptacle Dimensions (in)						Drilling Dimensions (in)		
						A	B	C	D	H	I	M	N	Ø
<b>20A</b>														
431611FX	3	125	1+N+PE	4		2.44	2.44	5.12	1.85	0.31	0.71	1.85	1.85	1.97
431622FX	3	250	2+PE	6										
441622FX	4	3Ø 250	3+PE	9										
441650FX	4	3Ø 480	3+PE	7		2.95	2.95	5.12	1.85	0.31	0.71	2.36	2.36	2.48
<b>30A</b>														
433211FX	3	125	1+N+PE	4		2.95	2.95	6.69	2.44	0.47	0.79	2.36	2.36	2.49
433222FX	3	250	2+PE	6										
443222FX	4	3Ø 250	3+PE	9										
443250FX	4	3Ø 480	3+PE	7		2.95	2.95	6.69	2.44	0.47	0.79	2.36	2.36	2.49
453222FX	5	3Ø Y 120/208	3+N+PE	9		2.95	2.95	6.69	2.44	0.59	1.02	2.36	2.36	2.49

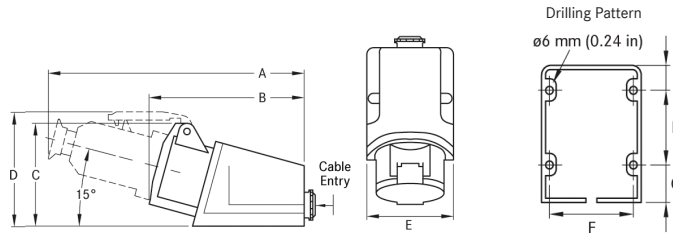
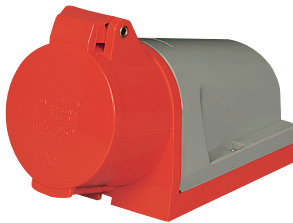
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EPIC® CEE Flush Mount Receptacles (IP67) cULus



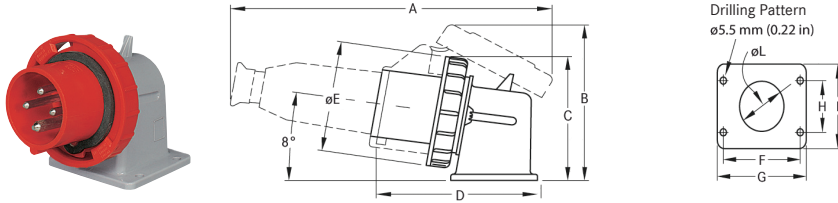
Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Receptacle Dimensions (in)								Drilling Dimensions (in)		
						A	B	C	D	E	F	G	H	M	N	Ø
<b>60A</b>																
446322FX	4	3Ø 250	3+PE	9		9.84	3.78	2.52	1.26	0.35	4.33	3.94	4.25	3.03	3.35	3.35
446350FX	4	3Ø 480	3+PE	7		9.84	3.78	2.52	1.26	0.35	4.33	3.94	4.25	3.03	3.35	3.35
456322FX	5	3Ø 120/208	3+N+PE	9		9.84	3.78	2.52	1.26	0.35	4.33	3.94	4.25	3.03	3.35	3.35
<b>100A</b>																
449322FX	4	3Ø 250	3+PE	9		13.78	4.45	3.07	1.50	0.39	4.96	4.49	4.49	3.54	3.54	3.86
449550FX	4	3Ø 480	3+PE	7		13.78	4.45	3.07	1.50	0.39	4.96	4.49	4.49	3.54	3.54	3.86
459322FX	5	3Ø 120/208	3+N+PE	9		13.78	4.45	3.07	1.50	0.39	4.96	4.49	4.49	3.54	3.54	3.86










EPIC® CEE Surface Mount Receptacles (IP44) cULus



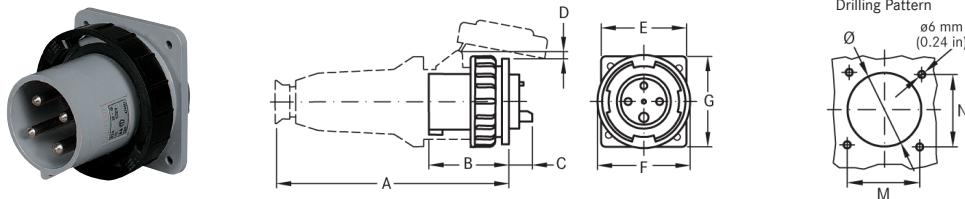
Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Receptacle Dimensions (in)					Mounting Dimensions (in)				Cable Entry	SKINTOP® SL Cable Gland
						A	B	C	D	E	F	G	H	I		
<b>20A</b>																
471262FX	3	125	1+N+PE	4		5.66	4.92	3.15	3.54	2.56	2.13	0.98	1.73	0.63	PG 13	53015030
471362FX	3	250	2+PE	6		5.66	4.92	3.15	3.54	2.56	2.13	0.98	1.73	0.63	PG 13	53015030
471372FX	4	3Ø 250	3+PE	9		5.66	5.28	3.46	3.90	2.95	2.52	1.10	2.05	0.63	PG 16	53015040
471572FX	4	3Ø 480	3+PE	7		5.66	5.28	3.46	3.90	2.95	2.52	1.10	2.05	0.63	PG 16	53015040
<b>30A</b>																
471266FX	3	125	1+N+PE	4		10.08	6.06	3.94	4.53	3.31	2.83	1.24	2.20	0.89	PG 21	53015050
471366FX	3	250	2+PE	6		10.08	6.06	3.94	4.53	3.31	2.83	1.24	2.20	0.89	PG 21	53015050
471376FX	4	3Ø 250	3+PE	9		10.08	6.06	3.94	4.53	3.31	2.83	1.24	2.20	0.89	PG 21	53015050
471576FX	4	3Ø 480	3+PE	7		10.08	6.06	3.94	4.53	3.31	2.83	1.24	2.20	0.89	PG 21	53015050
471386FX	5	3Ø Y 120/208	3+N+PE	9		10.18	6.10	4.06	4.72	3.31	2.83	1.24	2.20	0.89	PG 21	53015050







### EPIC® CEE 90° Wall Mount Inlets (IP67)



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Inlet Dimensions (in)					Drilling Dimensions (in)				
						A	B	C	D	øE	F	G	H	I	øL
<b>20A</b>															
476203FX	3	125	1+N+PE	4											
476303FX	3	250	2+PE	6		4.68	4.33	3.39	3.82	2.97	2.16	2.56	1.118	2.05	1.18
476313FX	4	3Ø 250	3+PE	9		8.07	4.72	3.74	4.17	3.15	2.36	2.76	1.38	2.24	1.30
476513FX	4	3Ø 480	3+PE	7											
<b>30A</b>															
476206FX	3	125	1+N+PE	4											
476306FX	3	250	2+PE	6		9.76	5.35	4.25	4.92	3.70	2.68	3.15	1.57	2.60	1.57
476316FX	4	3Ø 250	3+PE	9		9.76	5.35	4.25	4.92	3.70	2.68	3.15	1.57	2.60	1.57
476516FX	4	3Ø 480	3+PE	7											
476326FX	5	3Ø Y 120/208	3+N+PE	9		10.04	5.83	4.72	5.24	3.98	3.07	3.54	1.77	2.95	1.77

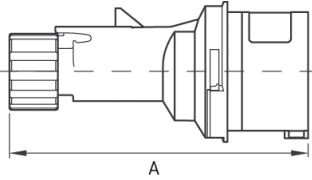
### EPIC® CEE Flush Mount Inlets (IP67)



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Inlet Dimensions (in)							Drilling Dimensions (in)		
						A	B	C	D	E	F	G	M	N	Ø
<b>60A</b>															
476317FX	4	3Ø 250	3+PE	9		11.22	3.74	1.02	0.39	3.94	4.33	4.25	3.03	3.35	3.35
476517FX	4	3Ø 480	3+PE	7											
476327FX	5	3Ø 120/208	3+N+PE	9		11.22	3.74	1.02	0.39	3.94	4.33	4.25	3.03	3.35	3.35
<b>100A</b>															
476318FX	4	3Ø 250	3+PE	9		13.98	4.65	2.64	0.39	4.49	4.96	4.49	3.54	3.54	3.90
749550FX	4	3Ø 480	3+PE	7											
476328FX	5	3Ø 120/208	3+N+PE	9		13.98	4.65	2.64	0.39	4.49	4.96	4.49	3.54	3.54	3.90

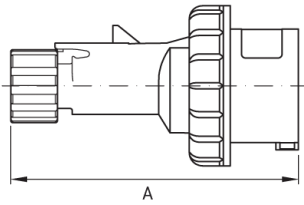
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## EPIC® MULTIMAX Plugs (IP44) CE



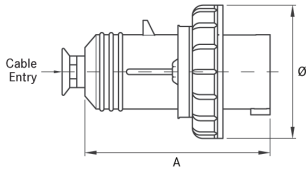
Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Length (in) A
<b>16A</b>						
700124	3	110 - 130	2+PE	4	Yellow	5.00
700126	3	200 - 250	2+PE	6	Blue	
700139	4	200 - 250	3+PE	9	Blue	5.28
700136	4	380 - 415	3+PE	6	Red	
700149	5	200 - 250	3+N+PE	9	Blue	5.59
700146	5	380 - 415	3+N+PE	6	Red	
<b>32A</b>						
700224	3	110 - 130	2+PE	4	Yellow	6.06
700226	3	200 - 250	2+PE	6	Blue	
700239	4	200 - 250	3+PE	9	Blue	6.06
700236	4	380 - 415	3+PE	6	Red	
700249	5	200 - 250	3+N+PE	9	Blue	6.81
700246	5	380 - 415	3+N+PE	6	Red	

## EPIC® MULTIMAX Plugs (IP67) CE



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Length (in) A
<b>16A</b>						
710124	3	110 - 130	2+PE	4	Yellow	5.31
710126	3	200 - 250	2+PE	6	Blue	
710136	4	380 - 415	3+PE	6	Red	5.52
710146	5	380 - 415	3+N+PE	6	Red	
<b>32A</b>						
710224	3	110 - 130	2+PE	4	Yellow	6.50
710226	3	200 - 250	2+PE	6	Blue	
710236	4	380 - 415	3+PE	6	Red	6.50
710246	5	380 - 415	3+N+PE	6	Red	
<b>63A</b>						
710336	4	380 - 415	3+PE	6	Red	9.84
710346	5	380 - 415	3+N+PE	6	Red	

## EPIC® CEE Plugs (IP67) CE

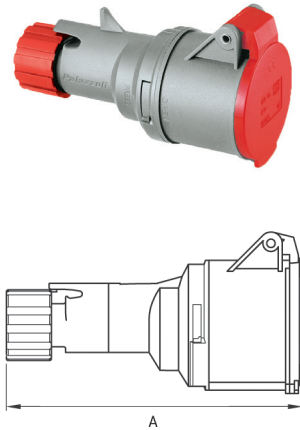


Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Dimensions (in)		Cable Entry	SKINTOP® SK Cable Gland
						A	Ø		
<b>16A</b>									
477203	3	110 - 130	2+PE	4	<span style="color: yellow;">■</span>	4.41	2.87	PG 13	53015030
477303	3	200 - 250	2+PE	6	<span style="color: cyan;">■</span>				
477313	4	200 - 250	3+PE	9	<span style="color: cyan;">■</span>	4.61	3.15	PG 16	53015040
477413	4	380 - 415	3+PE	6	<span style="color: red;">■</span>				
477323	5	200 - 250	3+N+PE	9	<span style="color: cyan;">■</span>	4.88	3.46	PG 16	53015040
477423	5	380 - 415	3+N+PE	6	<span style="color: red;">■</span>				
<b>32A</b>									
477206	3	110 - 130	2+PE	4	<span style="color: yellow;">■</span>	5.55	3.70	PG 21	53015050
477306	3	200 - 250	2+PE	6	<span style="color: cyan;">■</span>				
477316	4	200 - 250	3+PE	9	<span style="color: cyan;">■</span>	5.55	3.70	PG 21	53015050
477416	4	380 - 415	3+PE	6	<span style="color: red;">■</span>				
477326	5	200 - 250	3+N+PE	9	<span style="color: cyan;">■</span>	5.55	3.98	PG 21	53015050
477426	5	380 - 415	3+N+PE	6	<span style="color: red;">■</span>				
<b>63A</b>									
477317	4	200 - 250	3+PE	9	<span style="color: cyan;">■</span>	8.19	4.33	PG 29	53015060
477417	4	380 - 415	3+PE	6	<span style="color: red;">■</span>				
477327	5	200 - 250	3+N+PE	9	<span style="color: cyan;">■</span>	8.19	4.33	PG 29	53015060
477427	5	380 - 415	3+N+PE	6	<span style="color: red;">■</span>				
<b>125A</b>									
477318	4	200 - 250	3+PE	9	<span style="color: cyan;">■</span>	11.14	4.96	NPT 2"	-
249538	4	380 - 415	3+PE	6	<span style="color: red;">■</span>				
477328	5	200 - 250	3+N+PE	9	<span style="color: cyan;">■</span>	11.14	4.96	NPT 2"	-
259538	5	380 - 415	3+N+PE	6	<span style="color: red;">■</span>				

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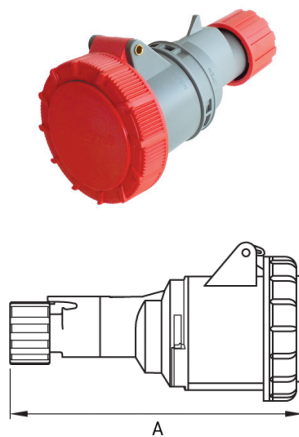


## EPIC® MULTIMAX Connectors (IP44) CE



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Length (in) A
<b>16A</b>						
720124	3	110 - 130	2+PE	4	Yellow	5.28
720126	3	200 - 250	2+PE	6	Blue	
720139	4	200 - 250	3+PE	9	Blue	5.63
720136	4	380 - 415	3+PE	6	Red	
720149	5	200 - 250	3+N+PE	9	Blue	5.94
720146	5	380 - 415	3+N+PE	6	Red	
<b>32A</b>						
720224	3	110 - 130	2+PE	4	Yellow	6.42
720226	3	200 - 250	2+PE	6	Blue	
720239	4	200 - 250	3+PE	9	Blue	6.42
720236	4	380 - 415	3+PE	6	Red	
720249	5	200 - 250	3+N+PE	9	Blue	7.17
720246	5	380 - 415	3+N+PE	6	Red	

## EPIC® MULTIMAX Connectors (IP67) CE

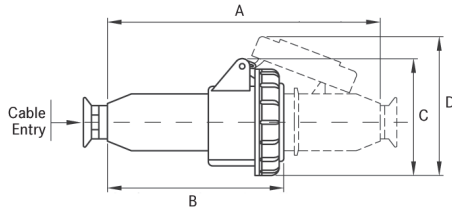


Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Length (in) A
<b>16A</b>						
730124	3	110 - 130	2+PE	4	Yellow	5.71
730126	3	200 - 250	2+PE	6	Blue	
730136	4	380 - 415	3+PE	6	Red	5.91
730146	5	380 - 415	3+N+PE	6	Red	
<b>32A</b>						
730224	3	110 - 130	2+PE	4	Yellow	7.09
730226	3	200 - 250	2+PE	6	Blue	
730236	4	380 - 415	3+PE	6	Red	7.09
730246	5	380 - 415	3+N+PE	6	Red	
<b>63A</b>						
730336	4	380 - 415	3+PE	6	Red	10.63
730346	5	380 - 415	3+N+PE	6	Red	

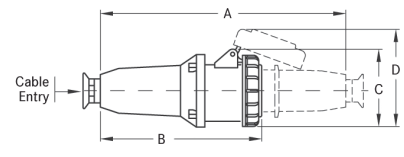
### EPIC® CEE Connectors (IP67) CE



16A & 32A



63A & 125A



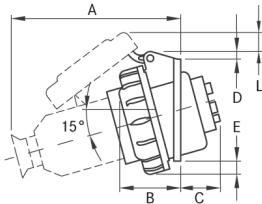
Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Dimensions (in)				Cable Entry	SKINTOP® SL Cable Gland
						A	B	C	D		
<b>16A</b>											
473203	3	110 - 130	2+PE	4		7.28	4.72	3.23	3.93	PG 13	53015030
473303	3	200 - 250	2+PE	6		7.28	4.72	3.23	3.93	PG 13	53015030
473313	4	200 - 250	3+PE	9		7.68	4.88	3.54	4.21	PG 16	53015040
473413	4	380 - 415	3+PE	6		7.68	4.88	3.54	4.21	PG 16	53015040
473323	5	200 - 250	3+N+PE	9		7.87	4.88	3.93	4.61	PG 16	53015040
473423	5	380 - 415	3+N+PE	6		7.87	4.88	3.93	4.61	PG 16	53015040
<b>32A</b>											
473206	3	110 - 130	2+PE	4		9.37	6.02	4.13	4.92	PG 21	53015050
473306	3	200 - 250	2+PE	6		9.37	6.02	4.13	4.92	PG 21	53015050
473316	4	200 - 250	3+PE	9		9.37	6.02	4.13	4.92	PG 21	53015050
473416	4	380 - 415	3+PE	6		9.37	6.02	4.13	4.92	PG 21	53015050
473326	5	200 - 250	3+N+PE	9		9.37	6.02	4.33	5.12	PG 21	53015050
473426	5	380 - 415	3+N+PE	6		9.37	6.02	4.33	5.12	PG 21	53015050
<b>63A</b>											
473317	4	200 - 250	3+PE	9		14.76	9.76	4.72	5.91	PG 29	53015060
346338	4	380 - 415	3+PE	6		14.76	9.76	4.72	5.91	PG 29	53015060
473327	5	200 - 250	3+N+PE	9		14.76	9.76	4.72	5.91	PG 29	53015060
356338	5	380 - 415	3+N+PE	6		14.76	9.76	4.72	5.91	PG 29	53015060
<b>125A</b>											
473318	4	200 - 250	3+PE	9		19.02	11.42	5.12	6.61	NPT 2"	—
349538	4	380 - 415	3+PE	6		19.02	11.42	5.12	6.61	NPT 2"	—
473328	5	200 - 250	3+N+PE	9		19.02	11.42	5.12	6.61	NPT 2"	—
359538	5	380 - 415	3+N+PE	6		19.02	11.42	5.12	6.61	NPT 2"	—

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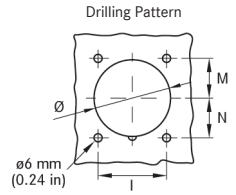
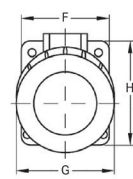
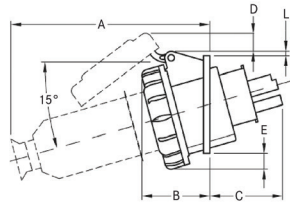
EPIC® CEE Angled Panel Mount Receptacles (IP67) CE



16A & 32A

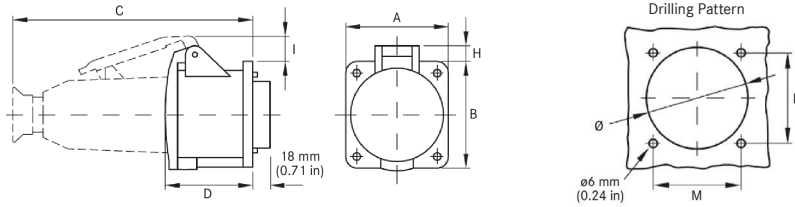













63A & 125A



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Receptacle Dimensions (in)								Drilling Dimensions (in)				
						A	B	C	D	E	F	G	H	L	I	M	N	Ø
<b>16A</b>																		
471263	3	110 - 130	2+PE	4		4.84	1.81	1.22	0.28	0.35	2.44	3.03	2.76	0.59	1.85	1.02	1.14	2.09
471363	3	200 - 250	2+PE	6														
471373	4	200 - 250	3+PE	9														
471473	4	380 - 415	3+PE	6		5.24	1.89	1.18	0.24	0.39	2.76	3.15	3.03	0.59	2.09	1.18	1.18	2.36
471333	5	200 - 250	3+N+PE	9														
471483	5	380 - 415	3+N+PE	6		5.51	2.01	0.94	0.30	0.35	3.03	3.46	3.35	0.59	2.24	1.22	1.34	2.60
<b>32A</b>																		
471267	3	110 - 130	2+PE	4		6.18	2.20	1.54	0.12	0.28	3.35	3.70	3.82	0.79	2.36	1.38	1.46	2.76
471367	3	200 - 250	2+PE	6														
471377	4	200 - 250	3+PE	9														
471477	4	380 - 415	3+PE	6		6.18	2.20	1.54	0.12	0.24	3.35	3.70	3.82	0.79	2.36	1.38	1.46	2.76
471387	5	200 - 250	3+N+PE	9														
471487	5	380 - 415	3+N+PE	6		6.22	2.28	1.50	0.12	0.30	3.54	3.98	4.13	0.79	2.56	1.50	1.65	2.95
<b>63A</b>																		
546322	4	200 - 250	3+PE	9		8.90	3.15	3.15	0.91	0.39	3.94	4.29	4.25	0.31	3.03	1.54	1.81	3.39
546338	4	380 - 415	3+PE	6														
556322	5	200 - 250	3+N+PE	9														
556338	5	380 - 415	3+N+PE	6		8.90	3.15	3.15	0.91	0.39	3.94	4.29	4.25	0.31	3.03	1.54	1.81	3.39
<b>125A</b>																		
549322	4	200 - 250	3+PE	9		12.60	3.98	3.23	1.38	0.79	4.49	5.03	4.49	0.31	3.54	1.69	1.85	3.78
549538	4	380-415	3+PE	6														
559322	5	200 - 250	3+N+PE	9														
559538	5	380 - 415	3+N+PE	6		12.60	3.98	3.23	1.38	0.79	4.49	5.03	4.49	0.31	3.54	1.69	1.85	3.78

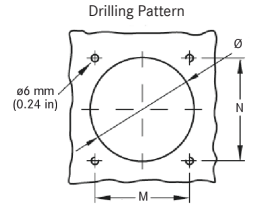
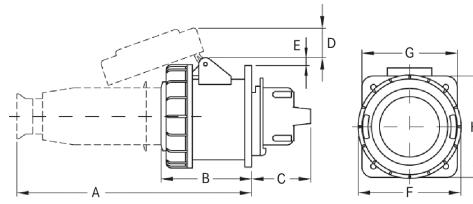
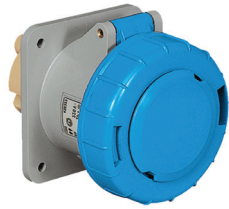
### EPIC® CEE Flush Mount Receptacles (IP44)



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Receptacle Dimensions (in)						Drilling Dimensions (in)		
						A	B	C	D	H	I	M	N	Ø
<b>16A</b>														
431611	3	110 - 130	2+PE	4		2.44	2.44	5.12	1.85	0.31	0.71	1.85	1.85	1.97
431622	3	200 - 250	2+PE	6		2.95	2.95	5.12	1.85	0.31	0.71	2.36	2.36	2.48
441622	4	200 - 250	3+PE	9		2.95	2.95	5.51	1.85	0.39	0.79	2.36	2.36	2.48
451622	5	200 - 250	3+N+PE	9		2.95	2.95	5.51	1.85	0.39	0.79	2.36	2.36	2.48
451638	5	380 - 415	3+N+PE	6		2.95	2.95	6.69	2.44	0.47	0.79	2.36	2.36	2.49
<b>32A</b>														
433211	3	110 - 130	2+PE	4		2.95	2.95	6.69	2.44	0.47	0.79	2.36	2.36	2.49
433222	3	200 - 250	2+PE	6		2.95	2.95	6.69	2.44	0.47	0.79	2.36	2.36	2.49
443222	4	200 - 250	3+PE	9		2.95	2.95	6.69	2.44	0.59	1.02	2.36	2.36	2.49
443238	4	380 - 415	3+PE	6		2.95	2.95	6.69	2.44	0.59	1.02	2.36	2.36	2.49
453222	5	200 - 250	3+N+PE	9		2.95	2.95	6.69	2.44	0.59	1.02	2.36	2.36	2.49
453238	5	380 - 415	3+N+PE	6		2.95	2.95	6.69	2.44	0.59	1.02	2.36	2.36	2.49

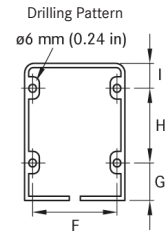
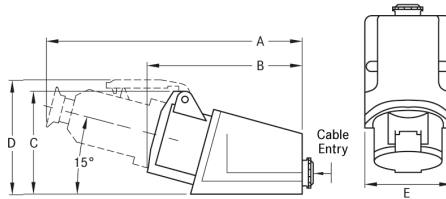
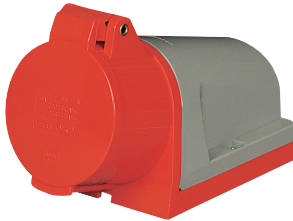
Photographs are not to scale and are not true representations of the products in question. If not otherwise specified, all values relating to the product are nominal values. For current information go to our website.

EPIC® CEE Flush Mount Receptacles (IP67) CE



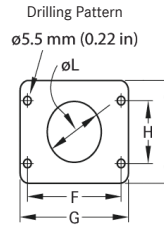
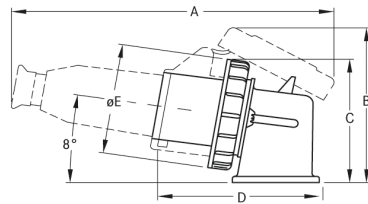
Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Receptacle Dimensions (in)								Drilling Dimensions (in)		
						A	B	C	D	E	F	G	H	M	N	Ø
<b>63A</b>																
446322	4	200 - 250	3+PE	9		9.84	3.78	2.52	1.26	0.35	4.33	3.94	4.25	3.03	3.35	3.35
446338	4	380 - 415	3+PE	6		9.84	3.78	2.52	1.26	0.35	4.33	3.94	4.25	3.03	3.35	3.35
456322	5	200 - 250	3+N+PE	9		9.84	3.78	2.52	1.26	0.35	4.33	3.94	4.25	3.03	3.35	3.35
456338	5	380 - 415	3+N+PE	6		9.84	3.78	2.52	1.26	0.35	4.33	3.94	4.25	3.03	3.35	3.35
<b>125A</b>																
449322	4	200 - 250	3+PE	9		13.78	4.45	3.07	1.50	0.39	4.96	4.49	4.49	3.54	3.54	3.78
449538	4	380 - 415	3+PE	6		13.78	4.45	3.07	1.50	0.39	4.96	4.49	4.49	3.54	3.54	3.78
459322	5	200 - 250	3+N+PE	9		13.78	4.45	3.07	1.50	0.39	4.96	4.49	4.49	3.54	3.54	3.78
459538	5	380 - 415	3+N+PE	6		13.78	4.45	3.07	1.50	0.39	4.96	4.49	4.49	3.54	3.54	3.78

EPIC® CEE Surface Mount Receptacles (IP44) CE



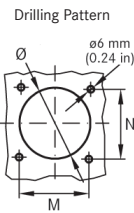
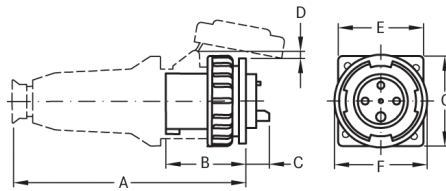
Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Receptacle Dimensions (in)					Drilling Dimensions (in)				Cable Entry
						A	B	C	D	E	F	G	H	I	
<b>16A</b>															
471262	3	110 - 130	2+PE	4		5.66	4.92	3.15	3.54	2.56	2.13	0.98	1.73	0.63	PG 13
471362	3	200 - 250	2+PE	6		5.66	4.92	3.15	3.54	2.56	2.13	0.98	1.73	0.63	PG 13
471372	4	200 - 250	3+PE	9		5.66	5.28	3.46	3.9	2.95	2.52	1.10	2.05	0.63	PG 16
471472	4	380 - 415	3+PE	6		5.66	5.28	3.46	3.9	2.95	2.52	1.10	2.05	0.63	PG 16
471332	5	200 - 250	3+N+PE	9		5.66	5.28	3.62	4.13	2.95	2.52	1.10	2.05	0.63	PG 16
471482	5	380 - 415	3+N+PE	6		5.66	5.28	3.62	4.13	2.95	2.52	1.10	2.05	0.63	PG 16
<b>32A</b>															
471266	3	110 - 130	2+PE	4		10.08	6.06	3.94	4.53	3.31	2.83	1.24	2.20	0.89	PG 21
471366	3	200 - 250	2+PE	6		10.08	6.06	3.94	4.53	3.31	2.83	1.24	2.20	0.89	PG 21
471376	4	200 - 250	3+PE	9		10.08	6.06	3.94	4.53	3.31	2.83	1.24	2.20	0.89	PG 21
471476	4	380 - 415	3+PE	6		10.08	6.06	3.94	4.53	3.31	2.83	1.24	2.20	0.89	PG 21
471386	5	200 - 250	3+N+PE	9		10.18	6.10	4.06	4.72	3.31	2.83	1.24	2.20	0.89	PG 21
471486	5	380 - 415	3+N+PE	6		10.18	6.10	4.06	4.72	3.31	2.83	1.24	2.20	0.89	PG 21

### EPIC® CEE Angled Inlets (IP67) CE



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Inlet Dimensions (in)						Drilling Dimensions (in)			
						A	B	C	D	øE	G	I	F	H	øL
<b>16A</b>															
476203	3	110 - 130	2+PE	4	Yellow	4.68	4.33	3.39	3.82	2.97	2.56	2.05	2.16	1.18	1.18
476303	3	200 - 250	2+PE	6	Blue	4.68	4.33	3.39	3.82	2.97	2.56	2.05	2.16	1.18	1.18
476313	4	200 - 250	3+PE	9	Blue	8.07	4.72	3.74	4.17	3.15	2.76	2.24	2.36	1.38	1.30
476413	4	380 - 415	3+PE	6	Red	8.07	4.72	3.74	4.17	3.15	2.76	2.24	2.36	1.38	1.30
476323	5	200 - 250	3+N+PE	9	Blue	8.46	5.12	4.13	4.61	3.46	3.15	2.60	2.69	1.57	1.57
476423	5	380 - 415	3+N+PE	6	Red	8.46	5.12	4.13	4.61	3.46	3.15	2.60	2.69	1.57	1.57
<b>32A</b>															
476206	3	110 - 130	2+PE	4	Yellow	9.76	5.35	4.25	4.92	3.70	3.15	2.60	2.68	1.57	1.57
476306	3	200 - 250	2+PE	6	Blue	9.76	5.35	4.25	4.92	3.70	3.15	2.60	2.68	1.57	1.57
476316	4	200 - 250	3+PE	9	Blue	9.76	5.35	4.25	4.92	3.70	3.15	2.60	2.68	1.57	1.57
476416	4	380 - 415	3+PE	6	Red	9.76	5.35	4.25	4.92	3.70	3.15	2.60	2.68	1.57	1.57
476326	5	200 - 250	3+N+PE	9	Blue	10.04	5.83	4.72	5.24	3.98	3.54	2.95	3.07	1.77	1.77
476426	5	380 - 415	3+N+PE	6	Red	10.04	5.83	4.72	5.24	3.98	3.54	2.95	3.07	1.77	1.77

### EPIC® CEE Inlets (IP67) CE



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Inlet Dimensions (in)							Drilling Dimensions (in)		
						A	B	C	D	E	F	G	M	N	Ø
<b>63A</b>															
476317	4	200 - 250	3+PE	9	Blue	11.22	3.74	1.02	0.39	3.94	4.33	4.25	3.03	3.35	3.35
746338	4	380 - 415	3+PE	6	Red	11.22	3.74	1.02	0.39	3.94	4.33	4.25	3.03	3.35	3.35
476327	5	200 - 250	3+N+PE	9	Blue	11.22	3.74	1.02	0.39	3.94	4.33	4.25	3.03	3.35	3.35
756338	5	380 - 415	3+N+PE	6	Red	11.22	3.74	1.02	0.39	3.94	4.33	4.25	3.03	3.35	3.35
<b>125A</b>															
476318	4	200 - 250	3+PE	9	Blue	13.98	4.65	2.64	0.39	4.49	4.96	4.49	3.54	3.54	3.90
749538	4	380 - 415	3+PE	6	Red	13.98	4.65	2.64	0.39	4.49	4.96	4.49	3.54	3.54	3.90
476328	5	200 - 250	3+N+PE	9	Blue	13.98	4.65	2.64	0.39	4.49	4.96	4.49	3.54	3.54	3.90
759538	5	380 - 415	3+N+PE	6	Red	13.98	4.65	2.64	0.39	4.49	4.96	4.49	3.54	3.54	3.90

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# CONSTRUCTION

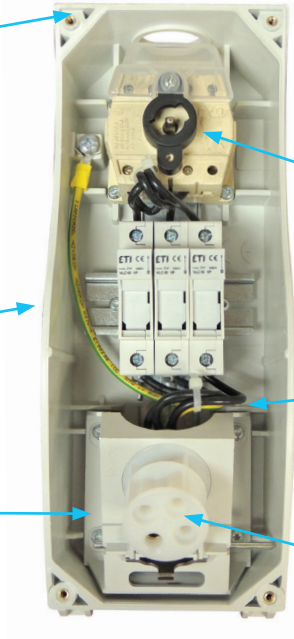
## EPIC® ULYSSE Mechanical Interlocks

The EPIC® series of socket-outlets are built to the IEC 60309 standard. They are designed to prevent mating or breaking connections under load. EPIC® ULYSSE's contoured form is designed to minimize dirt buildup.

Used individually, surface mounting is quickly accomplished using the four integral mounting feet. An optional patented quick-mount support plate allows multiple units to be assembled into a distribution panel.

A double-insulated design ensures that no electrical path exists from internal components to the outside of the enclosure.

Fuse holders and receptacle contacts are finger safe.



Use of AC23A-AC3 category cam switches allows direct switching of motor and other highly inductive electrical loads and have a conditional short circuit rating of 10,000A.

All socket outlets are provided pre-wired with stripped and numbered cables 70 cm long, eliminating the need to open the enclosure. This reduces installation time by up to 30%.

The zinc-plated steel interlock mechanism guarantees electrical operation only when a plug is inserted into the outlet. Plug removal is blocked while power is turned on, eliminating arc-flash hazard.

The control knob is easily operated even with a gloved hand. To prevent unauthorized operation, the knob can be padlocked in either the "on" or "off" position.

Lock-out tag handle prevents accidental switch use during maintenance.

All EPIC® ULYSSE switched-socket outlets carry both IP66 and IP67 protection ratings for watertight service against violent water jets as well as accidental immersion.

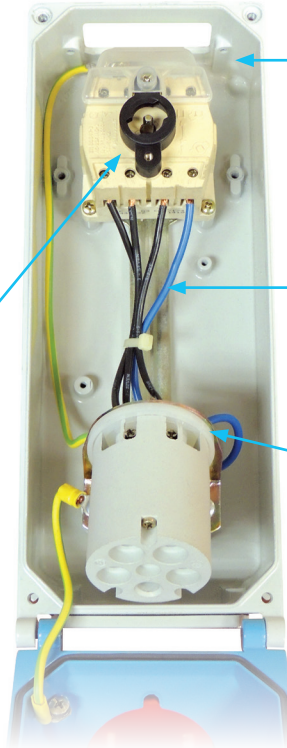
The use of low smoke, low toxicity, halogen-free reinforced thermoset plastic ensures the highest possible dimensional stability and resistance to heat, chemical, and mechanical stress.





## EPIC® ALUPRES Mechanical Interlocks

Use of AC23A-AC3 category cam switches allows direct switching of motor and other highly inductive electrical loads and have a conditional short circuit rating of 10,000A. UL 508 approved as a manual motor controller.



Used individually, surface mounting is quickly accomplished using the four integral mounting tabs. An optional support plate allows multiple units to be assembled into a distribution panel.

All socket outlets are provided pre-wired with stripped and numbered cables 70 cm long, eliminating the need to open the enclosure. This reduces installation time by up to 30%.

The zinc-plated steel interlock mechanism guarantees electrical operation only when a plug is inserted into the outlet. Plug removal is blocked while power is turned on, eliminating arc-flash hazard.

The control knob is easily operated even with a gloved hand.



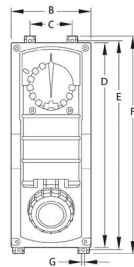
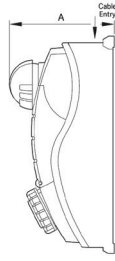
EPIC® ALUPRES 20/16A & 30/32A outlets are IP67 rated for watertight service against violent water jets. The 60/63A outlets are IP55 rated for watertight service in lower pressure wash-down applications.

The powder-painted aluminum alloy enclosure provides excellent resistance to heat and corrosive agents. Resistance to impact and mechanical stress is over 50% greater than thermoplastics. Made with low smoke, low toxicity, and halogen-free materials.

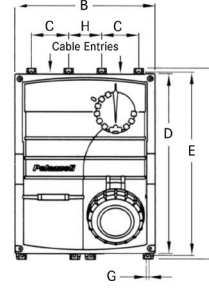
### EPIC® ULYSSE Mechanical Interlocks (IP66/67)















20A & 30A



60A



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Interlock Dimensions (in)					Drilling Dimensions (in)			Cable Entry*
						A	B	D	F	G	C	E	H	
<b>20A</b>														
400124FX	3	125	1+N+PE	4		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400126FX	3	250	2+PE	6		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400139FX	4	3Ø 250	3+PE	9		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400137FX	4	3Ø 480	3+PE	7		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
<b>30A</b>														
400224FX	3	125	1+N+PE	4		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400226FX	3	250	2+PE	6		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400239FX	4	3Ø 250	3+PE	9		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400237FX	4	3Ø 480	3+PE	7		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400249FX	5	3Ø Y 120/208	3+N+PE	9		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
<b>60A</b>														
408339FX	4	3Ø 250	3+PE	9		6.50	9.84	12.60	13.39	0.20	2.60	12.87	2.32	2x PG 29
408337FX	4	3Ø 480	3+PE	7		6.50	9.84	12.60	13.39	0.20	2.60	12.87	2.32	2x PG 29
408349FX	5	3Ø Y 120/208	3+N+PE	9		6.50	9.84	12.60	13.39	0.20	2.60	12.87	2.32	2x PG 29

\* Unthreaded cable entry

### Long Thread Plastic Cable Glands for EPIC® ULYSSE Mechanical Interlocks



Part Number	Description	Thread Size	Cable Outer Diameter (in)	Cable Outer Diameter (mm)	Thread Length (in)	Thread Length (mm)
571129	Gland	PG 29	0.70 - 0.98	18 - 25	0.59	15
571229	Lock nut	PG 29	—	—	—	—

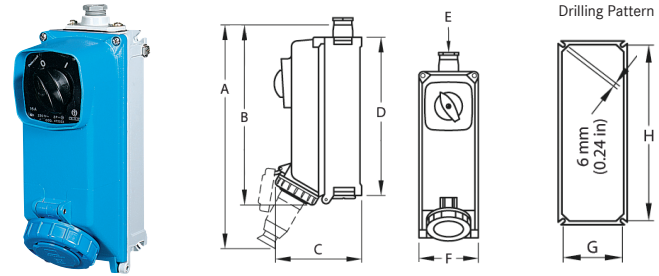
### Mounting Plates for EPIC® ULYSSE Mechanical Interlocks















Part Number	Device Rating
415801	20, 30A
415802	60A

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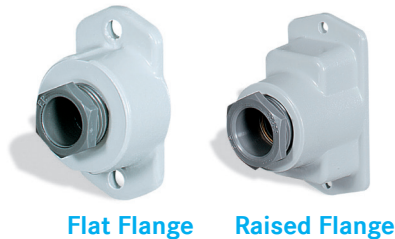
## EPIC® ALUPRES Mechanical Interlocks (IP55/67)



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Interlock Dimensions (in)						Drilling Dimensions (in)		
						A	B	C	D	E*	F	G	H	
<b>20A: IP67</b>														
460124FX	3	125	1+N+PE	4										
460126FX*	3	250	2+PE	6		11.61	9.84	11.81	8.66	0.50	3.60	3.01	8.07	
460139FX*	4	3Ø 250	3+PE	9		12.01	9.84	12.01	8.66	0.50	3.60	3.01	8.07	
460137FX*	4	3Ø 480	3+PE	7										
<b>30A: IP67</b>														
460224FX	3	125	1+N+PE	4										
460226FX	3	250	2+PE	6		16.54	13.19	8.19	12.40	6.61	4.92	4.33	11.81	
460239FX	4	3Ø 250	3+PE	9		16.54	13.19	8.19	12.40	6.61	4.92	4.33	11.81	
460237FX	4	3Ø 480	3+PE	7										
460249FX	5	3Ø Y 120/208	3+N+PE	9		16.54	13.29	8.28	12.40	6.69	4.92	4.33	11.81	
<b>60A: IP55</b>														
460339FX	4	3Ø 250	3+PE	9		20.39	15.04	9.84	13.98	7.40	4.92	4.33	13.39	
460337FX	4	3Ø 480	3+PE	7										
460349FX	5	3Ø Y 120/208	3+N+PE	9		20.39	15.04	9.84	13.98	7.40	4.92	4.33	13.39	

\* Includes flat flange

### Flanges with Cable Glands for ALUPRES Mechanical Interlocks



Flat Flange

Raised Flange

Part Number	Device Rating	Cable Outer Diameter (in) (mm)		Thread Type
<b>F0 Flat Flanges</b>				
541080FX*	20A	0.35 - 0.47	9 - 12	NPT 1/2"
541090FX**	20A	0.47 - 0.63	12 - 16	NPT 3/4"
541030FX	20A	0.67 - 0.79	17 - 20	NPT 1"
<b>F1 Flat Flanges</b>				
541011FX	30, 60A	0.35 - 0.47	9 - 12	NPT 1/2"
541021FX	30, 60A	0.55 - 0.63	14 - 16	NPT 3/4"
<b>F1 Raised Flanges</b>				
540151FX	30, 60A	0.63 - 0.87	16 - 22	NPT 1"
540141FX	30, 60A	0.98 - 1.02	25 - 26	NPT 1 1/4"

\* Supplied with ALUPRES 20A: 2+PE, 3+PE

\*\* Supplied with ALUPRES 20A: 3+N+PE

### Mounting Plates for EPIC® ALUPRES Mechanical Interlocks

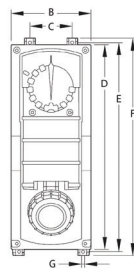
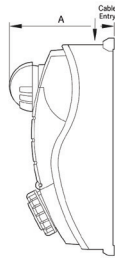


Part Number	Device Rating
532876	20, 30, 60A

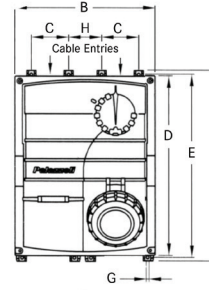
## EPIC® ULYSSE Mechanical Interlocks (IP66/67) CE



16A & 32A



63A



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Interlock Dimensions (in)					Drilling Dimensions (in)			Cable Entry*
						A	B	D	F	G	C	E	H	
<b>16A</b>														
400124	3	110 - 130	2+PE	4		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400126	3	200 - 250	2+PE	6		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400139	4	200 - 250	3+PE	9		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400136	4	380 - 415	3+PE	6		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400149	5	200 - 250	3+N+PE	9		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400146	5	380 - 415	3+N+PE	6		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
<b>32A</b>														
400224	3	110 - 130	2+PE	4		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400226	3	200 - 250	2+PE	6		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400239	4	200 - 250	3+PE	9		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400236	4	380 - 415	3+PE	6		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400249	5	200 - 250	3+N+PE	9		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
400246	5	380 - 415	3+N+PE	6		6.50	4.92	12.60	13.39	0.20	2.60	12.87	—	PG 29
<b>63A</b>														
400339	4	200 - 250	3+PE	9		6.50	2.60	12.60	13.39	0.20	2.60	12.87	2.32	2x PG 29
400336	4	380 - 415	3+PE	6		6.50	2.60	12.60	13.39	0.20	2.60	12.87	2.32	2x PG 29
400349	5	200 - 250	3+N+PE	9		6.50	2.60	12.60	13.39	0.20	2.60	12.87	2.32	2x PG 29
400346	5	380 - 415	3+N+PE	6		6.50	2.60	12.60	13.39	0.20	2.60	12.87	2.32	2x PG 29

\* Unthreaded cable entry

### Long Thread Plastic Cable Glands for EPIC® ULYSSE Mechanical Interlocks



Part Number	Description	Thread Size	Cable Outer Diameter (in)	Cable Outer Diameter (mm)	Thread Length (in)	Thread Length (mm)
571129	Gland	PG 29	0.70 - 0.98	18 - 25	0.59	15
571229	Lock nut	PG 29	—	—	—	—

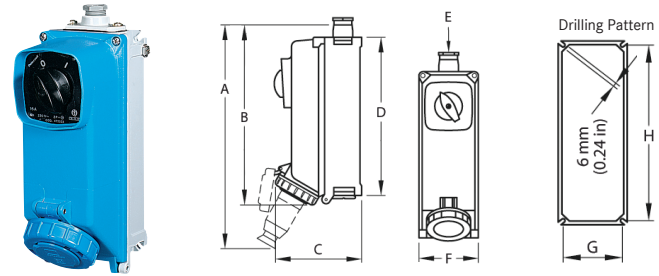
### Mounting Plates for EPIC® ULYSSE Mechanical Interlocks



Part Number	Device Rating
415801	16, 32A
415802	63A

Photographs are not to scale and are not true representations of the products in question. If not otherwise specified, all values relating to the product are nominal values. For current information go to our website.

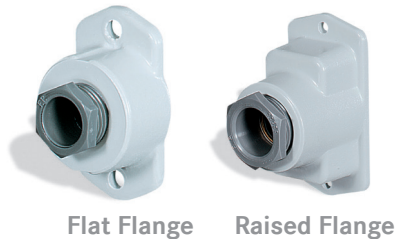
## EPIC® ALUPRES Mechanical Interlocks (IP55/67) CE



Part Number	Number of Wires	Voltage / Current Rating	Number of Poles	Ground-Clock Position	Color Code	Interlock Dimensions (in)						Drilling Dimensions (in)	
						A	B	C	D	E*	F	G	H
<b>16A: IP67</b>													
460124*	3	110 - 130	2+PE	4	Yellow	11.61	9.84	11.81	8.66	0.50	3.60	3.01	8.07
460126*	3	200 - 250	2+PE	6	Blue	11.61	9.84	11.81	8.66	0.50	3.60	3.01	8.07
460139*	4	200 - 250	3+PE	9	Light Blue	12.01	9.84	12.01	8.66	0.50	3.60	3.01	8.07
460136*	4	380 - 415	3+PE	6	Red	12.01	9.84	12.01	8.66	0.50	3.60	3.01	8.07
460146*	5	380 - 415	3+N+PE	6	Dark Red	12.40	9.92	12.40	8.66	0.50	3.60	3.01	8.07
<b>32A: IP67</b>													
460224	3	110 - 130	2+PE	4	Yellow	16.54	13.19	8.19	12.40	6.61	4.92	4.33	11.81
460226	3	200 - 250	2+PE	6	Blue	16.54	13.19	8.19	12.40	6.61	4.92	4.33	11.81
460239	4	200 - 250	3+PE	9	Light Blue	16.54	13.19	8.19	12.40	6.61	4.92	4.33	11.81
460236	4	380 - 415	3+PE	6	Red	16.54	13.19	8.19	12.40	6.61	4.92	4.33	11.81
460249	5	200 - 250	3+N+PE	9	Light Blue	16.54	13.29	8.28	12.40	6.69	4.92	4.33	11.81
460246	5	380 - 415	3+N+PE	6	Red	16.54	13.29	8.28	12.40	6.69	4.92	4.33	11.81
<b>63A: IP55</b>													
460339	4	200 - 250	3+PE	9	Light Blue	20.39	15.04	9.84	13.98	7.40	4.92	4.33	13.39
460349	5	200 - 250	3+N+PE	9	Light Blue	20.39	15.04	9.84	13.98	7.40	4.92	4.33	13.39

\* Includes flat flange

### Flanges with Cable Glands for ALUPRES Mechanical Interlocks



Flat Flange

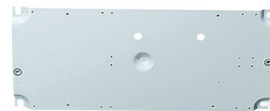
Raised Flange

Part Number	Device Rating	Cable Outer Diameter		Thread Type
		(in)	(mm)	
<b>F0 Flat Flanges</b>				
541080FX*	16A	0.35 - 0.47	9 - 12	NPT 1/2"
541090FX**	16A	0.47 - 0.63	12 - 16	NPT 3/4"
541030FX	16A	0.67 - 0.79	17 - 20	NPT 1"
<b>F1 Flat Flanges</b>				
541011FX	32, 63A	0.35 - 0.47	9 - 12	NPT 1/2"
541021FX	32, 63A	0.55 - 0.63	14 - 16	NPT 3/4"
<b>F1 Raised Flanges</b>				
540151FX	32, 63A	0.63 - 0.87	16 - 22	NPT 1"
540141FX	32, 63A	0.98 - 1.02	25 - 26	NPT 1 1/4"

\* Supplied with ALUPRES 16A: 2+PE, 3+PE

\*\* Supplied with ALUPRES 16A: 3+N+PE

### Mounting Plates for EPIC® ALUPRES Mechanical Interlocks



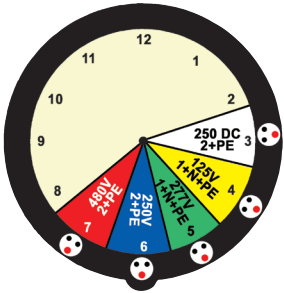
Part Number	Device Rating
532876	16, 32, 63A

# TECHNICAL DATA

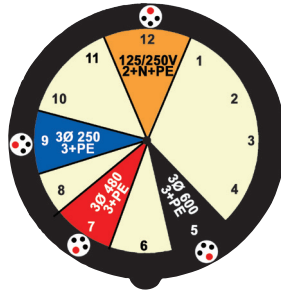
## Ground Pin Location & Voltage

Ground pin location is specified for the connector referenced to the hour positions on the face of a clock. The keyway is always at the 6 o'clock position. Color slices represent voltages. Voltage is represented by the color of the connector.

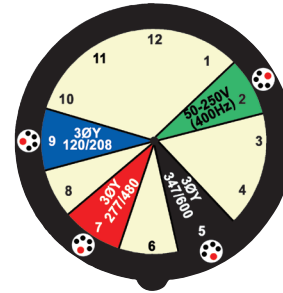
**North American Standard:**  
3 Wires: 2+PE & 1+N+PE



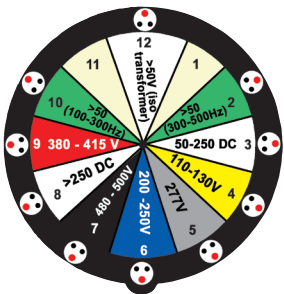
**North American Standard:**  
4 Wires: 2+N+PE & 3+PE



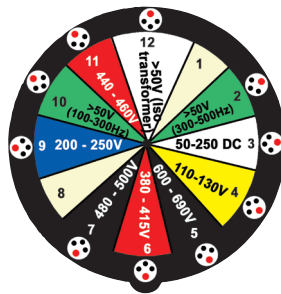
**North American Standard:**  
5 Wires: 3+N+PE



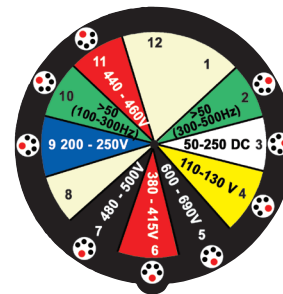
**International Standard:**  
3 Wires: 2+PE



**International Standard:**  
4 Wires: 3+PE



**International Standard:**  
5 Wires: 3+N+PE



## Motor Horsepower & Full Load

Maximum Current / Power		
20A / 10kW	30A / 15kW	60A / 30kW
<b>120V, 1ph HP/FLA</b>		
1.5 hp/20A	2 hp/24A	5 hp/56A
<b>240V, 1ph HP/FLA</b>		
3 hp/17A	5 hp/28A	10 hp/50A
<b>240V, 3ph HP/FLA</b>		
5 hp/15.2A	10 hp/28A	15 hp/42A
<b>480V, 3ph HP/FLA</b>		
10 hp/14A	15 hp/21A	30 hp/40A

Horsepower rating per UL 508 approval listing for ULYSSE & ALUPRES mechanical interlocks: Manual Motor Controller. FLA per NFPA 70 Table 430.148 (single phase AC motors) and Table 420.150 (three phase AC motors).

## Fuses for EPIC® ULYSSE Interlocks

Device Rating	Fuse Size A x B (mm)	Fuse Current	Fuse Voltage Rating
16A	10 x 38	0.5 - 32A	500V
32A	14 x 51	2 - 50A	500V
63A	22 x 58	16 - 100A	500V

**Example:** P/N 400139FX (250V, 20A, 3+PE) requires three 10 x 38 fuses.

EPIC® ULYSSE mechanical interlocks use standard IEC-60269 cylindrical fuses. Fuse selection is application-specific and typically based on providing short circuit line protection (gL-gG fast-acting type) or motor protection (aM slow-acting type). Consult with a fuse manufacturer for proper selection and to place an order. Lapp does not carry fuses. The table here shows general fuse information for each EPIC® ULYSSE interlock size. Order one fuse for each outlet pole.

## Flame Resistance

### EPIC® ULYSSE:

- Glow wire test:
- Enclosure: 960°C
- Contact carrier: 850°C
- Self-extinguishing:
- Enclosure: V-0 per UL 94
- Contact carrier: V-0 per UL 94

### EPIC® ALUPRES

- Glow wire test: 960°C
- Self-extinguishing: V-0 per UL 94

## Test Data & Cable Outer Diameter Accommodation

### Table 1: Ground Path Current Test

A test current that far exceeds the device rating is passed through the mating device and grounding wires.

Device Rating	Grounding Conductor Min. Size (AWG)	Min. Size (mm <sup>2</sup> )	Time (sec)	Test Current (A)
20/16A	12	3.3	4	470
30/32A	10	5.3	4	750
60/63A	10	5.3	4	750
100/125A	8	8.4	4	1180

### Table 2: Endurance Test

The test sequence is conducted using a no-load, followed by a loading sequence. The power factor of the load is 0.75 - 0.80.

Device Rating	Cycles with Load @ Rated Current & Voltage	No-Load Cycles	Sequence
20/16A	5000	0	—
30/32A	1000	1000	Alternating
60/63A	1000	1000	Alternating
100/125A	250	250	Alternating

### Table 3: Cable Security Test

The flexible cord or cable is simultaneously twisted and pulled. Values for the applied twisting torque and force of pull are shown. In all cases, the cord displacement is less than 3/32".

Device Rating	Force (lb)		Torque (ft/lb)		Max. Displacement (in)	
	(N)	(N/m)	(mm)	(mm)	(mm)	(mm)
20/16A	30	133	0.4	0.54	3/32	2.38
30/32A	75	333	0.5	0.68	3/32	2.38
60/63A	150	667	1.0	1.4	3/32	2.38
100/125A	150	667	2.0	2.7	3/32	2.38

### Table 4: Withdrawal Force Test

The pressure exerted by mating contacts of a plug and a connector must be sufficient to prevent unintentional withdrawal during normal use. During the test any locked rings or retaining means are not engaged.

Device Rating	Min. Withdrawal Force (lb)	
	(N)	(N)
20/16A	5	22
30/32A	6	27
60/63A	15	67
100/125A	20	89

### Table 5: Cable Outer Diameter Accommodation

Device Rating & Configuration	Sleeve / Cable Gland	Cable Diameter Range: 2+PE (in) (mm)		Cable Diameter Range: 3+PE (in) (mm)		Cable Diameter Range: 3+N+PE (in) (mm)		
<b>EPIC® MULTIMAX Series</b>								
20/16A	—	0.32 - 0.55	8.1 - 14.0	0.33 - 0.55	8.5 - 14.0	0.39 - 0.60	10.0 - 15.3	
30/32A	—	0.45 - 0.68	11.5 - 17.3	0.49 - 0.76	12.5 - 19.3	0.55 - 0.84	14.0 - 21.3	
63A	—	0.67 - 1.02	17.0 - 26.0	0.75 - 1.13	19.0 - 28.6	0.83 - 1.24	21.0 - 31.5	
<b>EPIC® CEE Series</b>								
20/16A: 2P+PE	PG 13	0.32 - 0.53	8.1 - 13.5	—	—	—	—	
20/16A: 3P+PE	PG 16	—	—	0.35 - 0.60	8.8 - 15.3	—	—	
20/16A: 3P+N+PE	PG 16	—	—	—	—	0.35 - 0.60	8.8 - 15.3	
30/32A	PG 21	0.45 - 0.84	11.5 - 21.3	0.45 - 0.84	11.5 - 21.3	0.45 - 0.84	11.5 - 21.3	
60/63A	PG 29	0.63 - 1.12	16.0 - 28.5	0.63 - 1.12	16.0 - 28.5	0.63 - 1.12	16.0 - 28.5	
100/125A	NPT 2"	1.02 - 1.93	26.0 - 49.0	1.02 - 1.93	26.0 - 49.0	1.02 - 1.93	26.0 - 49.0	
<b>EPIC® ULYSSE Series</b>								
20/16A	PG 29*	0.71 - 0.98	18.0 - 25.0	0.71 - 0.98	18.0 - 25.0	0.71 - 0.98	18.0 - 25.0	
30/32A	PG 29*	0.71 - 0.98	18.0 - 25.0	0.71 - 0.98	18.0 - 25.0	0.71 - 0.98	18.0 - 25.0	
60/63A	2x PG 29*	0.71 - 0.98	18.0 - 25.0	0.71 - 0.98	18.0 - 25.0	0.71 - 0.98	18.0 - 25.0	
<b>EPIC® ALUPRES Series</b>								
20/16A: 2+PE, 3+PE	FO-NPT 1/2"	0.35 - 0.47	9.0 - 12.0	0.35 - 0.47	9.0 - 12.0	—	—	
20/16A: 3+N+PE	FO-NPT 3/4"	—	—	—	—	0.47 - 0.63	12.0 - 16.0	
30/32A & 60/63A (order flanges separately)	F1-NPT 1/2"	0.35 - 0.47	9.0 - 12.0	0.35 - 0.47	9.0 - 12.0	0.35 - 0.47	9.0 - 12.0	
	F1-NPT 3/4"	0.55 - 0.63	14.0 - 16.0	0.55 - 0.63	14.0 - 16.0	0.55 - 0.63	14.0 - 16.0	
	F1-NPT 1"	0.63 - 0.87	16.0 - 22.0	0.63 - 0.87	16.0 - 22.0	0.63 - 0.87	16.0 - 22.0	
	F1-NPT 1 1/4"	0.98 - 1.02	25.0 - 26.0	0.98 - 1.02	25.0 - 26.0	0.98 - 1.02	25.0 - 26.0	

\* Unthreaded entry hole. Cable ODs are based on interlock accessory strain relief (ordered separately).

### Table 6: Wire Size Accommodation

Device Rating	Max. Wire Size*		Recommended Torque for CEE Contact Set Screws		Recommended Torque for MULTIMAX Contact Set Screws	
	(AWG)	(mm <sup>2</sup> )	(ft/lb)	(N/m)	(ft/lb)	(N/m)
20/16A	12	4	0.60	0.8	0.60	0.8
30/32A	8	10	2x 0.60	2x 0.8	1.48	2.0
60/63A	6	16	2x 1.48	2x 2.0	—	—
100/125A	1	50	2x 2.95	2x 4.0	—	—

\* subject to stranding configuration.



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