

Engineering Plastic Plugs & Receptacles EFPR Series

❖ Type of Explosion-proof
Ex de IIC T6 IP66



❖ Application

EFPR Series Plug & Receptacles are used in ;

- heavy process industries having environments where flammable or explosive vapors or gases, or where combustible dusts are present.
- petroleum refineries, chemical, petrochemical and other heavy process industry facilities.
- where ignitable concentrations of flammable gases, vapors or liquids can exist some of the time under normal operation conditions.
- where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operation conditions.

❖ Standard Finish

- Natural
- If you want another color, contact us please.

❖ Switching Capacity

Voltage Cat. No.	220V-	230V-	240V-	380V-	400V-	415V-	500V-	660V-	690V-
EFPR 16A-NB	4KW	-		-			-		
EFPR 16A	4KW			7.5KW			11KW		
EFPR 32A	7.5KW			15KW			18.5KW	30KW	
EFPR 63A	18.5KW			30KW			37KW	55KW	

❖ Features


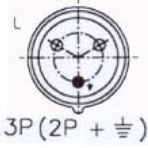
- Enclosure in glass fiber reinforced polyester resin, provide excellent resistant to corrosion so have a long life.
- Enclosure contain ultraviolet interception ingredient to resist transformation.
- Switches with large handles can be locked in 0 and 1 position.
- Fully color-coded plug enclosure in color for voltage and frequency.

❖ Standard Materials



- Housing : Glass fiber reinforced polyester resin
- Gasket : Silicone rubber
- External Hardware : Stainless steel, Brass

⇒ If you need more information, contact us please.

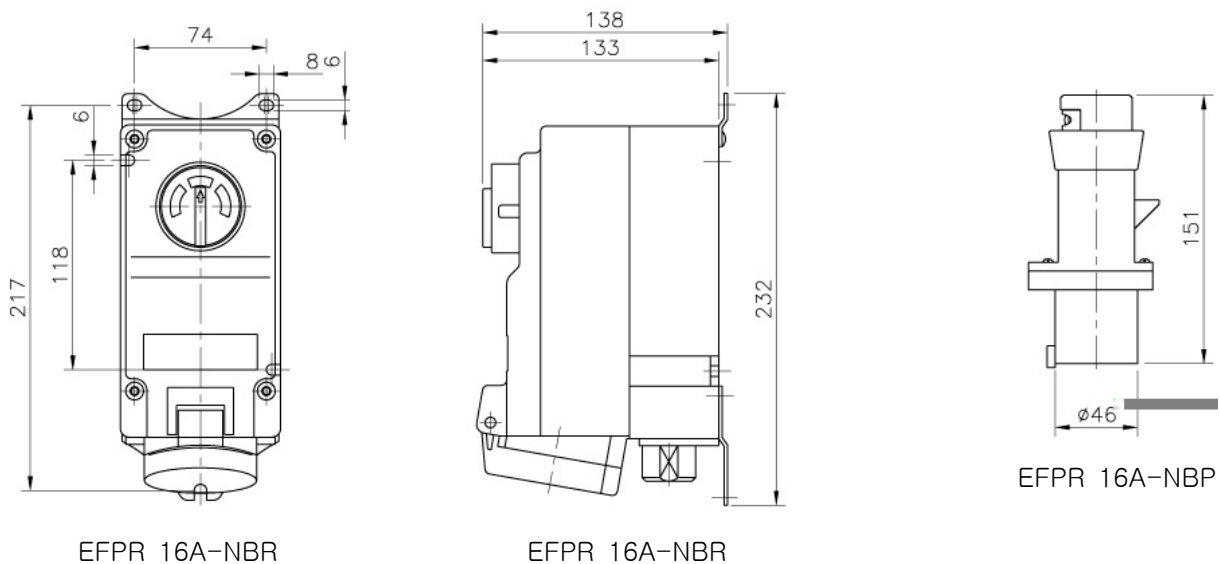
❖ 16A-NB Receptacle (NAMBUK Style)

	Number of pins	Voltage	Color	h	Catalog No.	Weight	Certification
	 3P (2P + 1P)	220	blue	6	EFPR 16A-NBR	1.3Kg	Ex de IIC T6 IP66


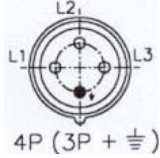

❖ 16A-NB Plug (NAMBUK Style)

	Number of pins	Voltage	Color	h	Catalog No.	Weight	Certification
	 3P (2P + 1P)	220	blue	6	EFPR 16A-NBP	0.2Kg	Ex de IIC T6 IP66


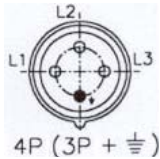

❖ Dimension



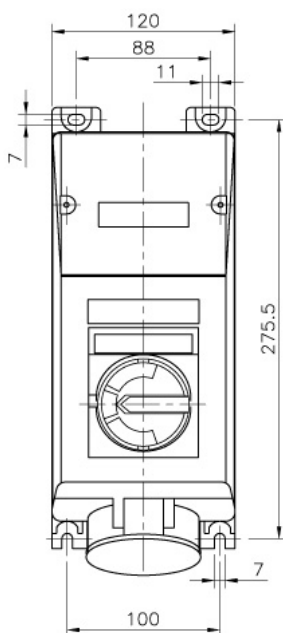
❖ 16A Receptacle

	Number of pins	Voltage	Color	h	Catalog No.	Weight	Certification
	 4P (3P + PE)	110-130	yellow	4	EFPR 16A41R	3.7Kg	Ex de IIC T6 IP66
		220-240	blue	9	EFPR 16A42R		
		380-400	red	6	EFPR 16A44R		
		500	black	7	EFPR 16A45R		
		660-690	black	5	EFPR 16A46R		
	 5P (3P+N+PE)	110-130	yellow	4	EFPR 16A51R		
		220-240	blue	9	EFPR 16A52R		
		380-400	red	6	EFPR 16A54R		
		500	black	7	EFPR 16A55R		
		660-690	black	5	EFPR 16A56R		

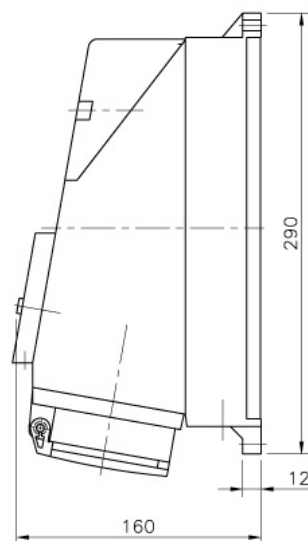
❖ 16A Plug

	Number of pins	Voltage	Color	h	Catalog No.	Weight	Certification
	 4P (3P + PE)	110-130	yellow	4	EFPR 16A41P	0.29Kg	Ex de IIC T6 IP66
		220-240	blue	9	EFPR 16A42P		
		380-400	red	6	EFPR 16A44P		
		500	black	7	EFPR 16A45P		
		660-690	black	5	EFPR 16A46P		
	 5P (3P+N+PE)	110-130	yellow	4	EFPR 16A51P		
		220-240	blue	9	EFPR 16A52P		
		380-400	red	6	EFPR 16A54P		
		500	black	7	EFPR 16A55P		
		660-690	black	5	EFPR 16A56P		

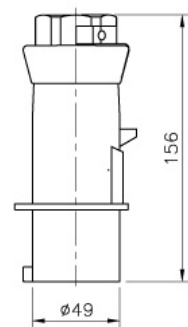
❖ Dimension



EFPR 16A_R




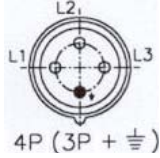

EFPR 16A_R




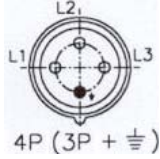

EFPR 16A_P

Plug & Receptacle

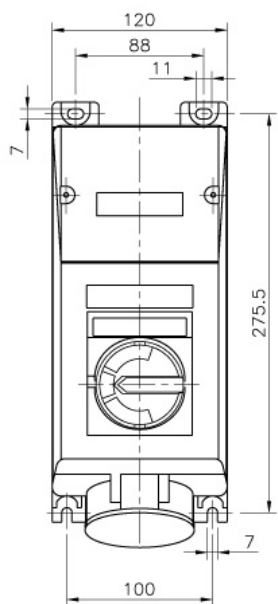
❖ 32A Receptacle

	Number of pins	Voltage	Color	h	Catalog No.	Weight	Certification
	 4P (3P + PE)	110-130	yellow	4	EFPR 32A41R		Ex de IIC T6 IP66
		220-240	blue	9	EFPR 32A42R		
		380-400	red	6	EFPR 32A44R		
		500	black	7	EFPR 32A45R		
		660-690	black	5	EFPR 32A46R		
	 5P (3P+N+PE)	110-130	yellow	4	EFPR 32A51R		
		220-240	blue	9	EFPR 32A52R		
		380-400	red	6	EFPR 32A54R		
		500	black	7	EFPR 32A55R		

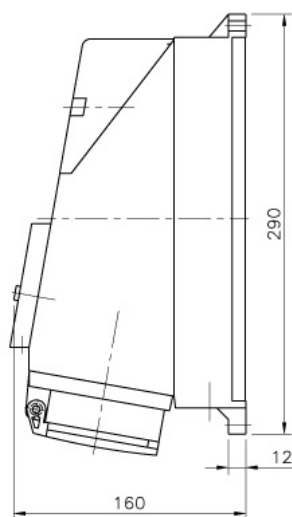
❖ 32A Plug

	Number of pins	Voltage	Color	h	Catalog No.	Weight	Certification
	 4P (3P + PE)	110-130	yellow	4	EFPR 32A41P		Ex de IIC T6 IP66
		220-240	blue	9	EFPR 32A42P		
		380-400	red	6	EFPR 32A44P		
		500	black	7	EFPR 32A45P		
		660-690	black	5	EFPR 32A46P		
	 5P (3P+N+PE)	110-130	yellow	4	EFPR 32A51P		
		220-240	blue	9	EFPR 32A52P		
		380-400	red	6	EFPR 32A54P		
		500	black	7	EFPR 32A55P		

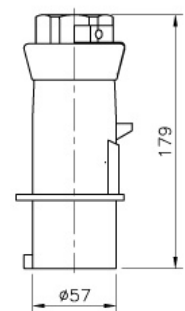
❖ Dimension



EFPR 32A_R


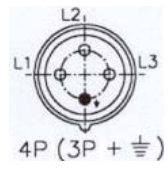



EFPR 32A_R


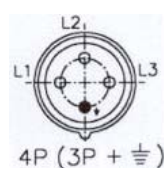



EFPR 32A_P

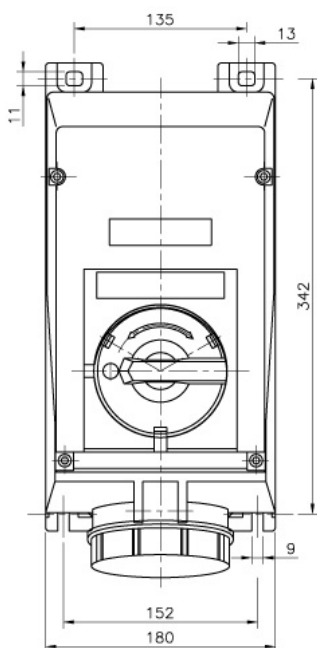
❖ 63A Receptacle

	Number of pins	Voltage	Color	h	Catalog No.	Weight	Certification
	 4P (3P + \perp)	220-240	blue	9	EFPR 63A42R		Ex de IIC T6 IP66
		380-400	red	6	EFPR 63A44R		
		500	black	7	EFPR 63A45R		
		660-690	black	5	EFPR 63A46R		
	 5P (3P+N+ \perp)	220-240	blue	9	EFPR 63A52R		
		380-400	red	6	EFPR 63A54R		
		500	black	7	EFPR 63A55R		

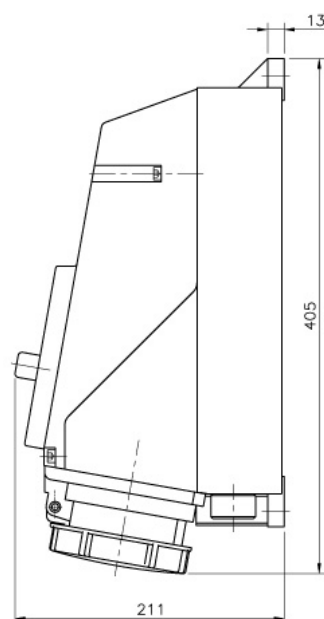
❖ 63A Plug

	Number of pins	Voltage	Color	h	Catalog No.	Weight	Certification
	 4P (3P + \perp)	220-240	blue	9	EFPR 63A42P		Ex de IIC T6 IP66
		380-400	red	6	EFPR 63A44P		
		500	black	7	EFPR 63A45P		
		660-690	black	5	EFPR 63A46P		
	 5P (3P+N+ \perp)	220-240	blue	9	EFPR 63A52P		
		380-400	red	6	EFPR 63A54P		
		500	black	7	EFPR 63A55P		

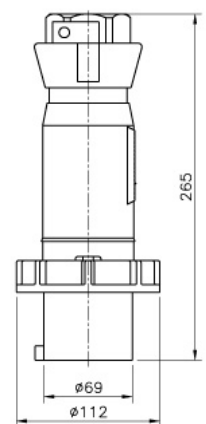
❖ Dimension



EFPR 63A_R


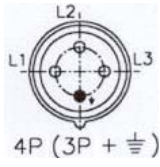



EFPR 63A_R


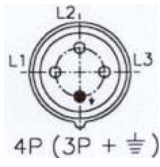



EFPR 63A_P

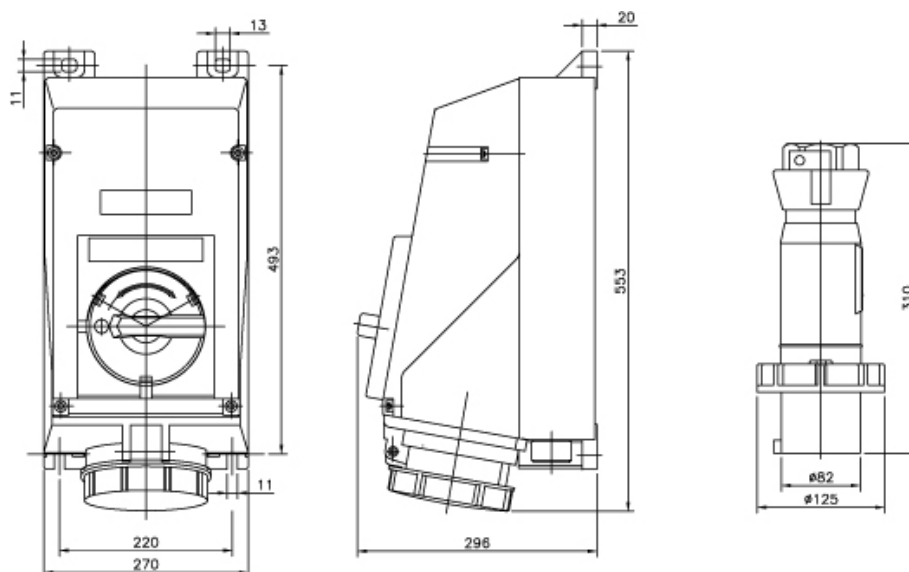
❖ 125A Receptacle

	Number of pins	Voltage	Color	h	Catalog No.	Weight	Certification Ex de IIC T6 IP66
	 4P (3P + PE)	220-240	blue	9	EFPR 125A42R		
		380-400	red	6	EFPR 125A44R		
		500	black	7	EFPR 125A45R		
	 5P (3P+N+PE)	220-240	blue	9	EFPR 125A52R		
		380-400	red	6	EFPR 125A54R		
500		black	7	EFPR 125A55R			

❖ 125A Plug

	Number of pins	Voltage	Color	h	Catalog No.	Weight	Certification Ex de IIC T6 IP66
	 4P (3P + PE)	220-240	blue	9	EFPR 125A42P		
		380-400	red	6	EFPR 125A44P		
		500	black	7	EFPR 125A45P		
	 5P (3P+N+PE)	220-240	blue	9	EFPR 125A52P		
		380-400	red	6	EFPR 125A54P		
500		black	7	EFPR 125A55P			

❖ Dimension



❖ Technical Data

▀ Receptacle

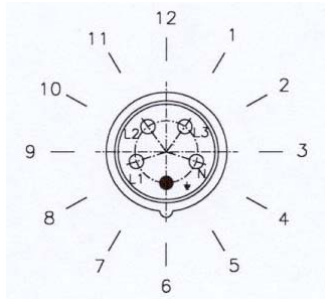
	EFPR 16A-NB	EFPR 16A	EFPR 32A	EFPR 63A	EFPR 125A
Rated Voltage	220V + 5%	...690V + 5%	...690V + 5%	...690V + 5%	...690V + 5%
Rated Current	16A	16A	32A	63A	125A
Interlock Switch	3 pole switch with isolating characteristics 1 auxiliary contact (ON-delayed, OFF-advanced)				
Terminal	4 mm ² X 2	4 mm ² X 2	10 mm ² X 2	35 mm ² X 1	120 mm ² X 1
Ambient Temperature	-20°C...+40°C	-20°C...+40°C	-20°C...+40°C	-20°C...+40°C	-20°C...+40°C
Hub	bottom 1 X M25	bottom 1 X M25	bottom 1 X M32	bottom 1 X M50	bottom 1 X M63
Stopping Plug	bottom 1 X M25	bottom 1 X M25	bottom 1 X M32	bottom 1 X M25	bottom 1 X M63

▀ Plug

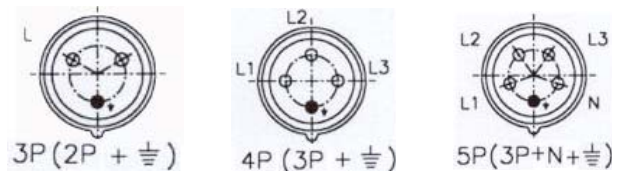
Terminal	4 mm ²	4 mm ²	10 mm ²	16 mm ²	35 mm ²
Cable Entry	Max. Ø21mm	Max. Ø21mm	Max. Ø28mm	Max. Ø36mm	Max. Ø50mm

▀ Color and Arrangement

Operating Voltage (V)	Frequency (Hz)	Color	h-position		
			3P	4P	5P
110-130	50/60	Yellow	4	4	4
220-240	50/60	Blue	6	9	9
380-400	50/60	Red	9	6	6
500	50/60	Black	7	7	7
660-690	50/60	Black	-	5	5



Position Clockwise



Front view of Plug

▀ Accessories and Spare parts

Designation		Description	Catalog No.	
Switch		for Receptacle	EFPR 16A-NB	EFSS 16-NB
			EFPR 16A	EFSS 16
			EFPR 32A	EFSS 32
			EFPR 63A	EFSS 63
Protection cap		for Plug	EFPR 16A-NB 3P	EFPC 163
			EFPR 16A 4P	EFPC 164
			EFPR 16A 5P	EFPC 165
			EFPR 32A 4P	EFPC 324
			EFPR 32A 5P	EFPC 325
			EFPR 63A 4/5P	EFPC 634