

RECEPTACLES

VSIIH SERIES



VersaMATE



IEC-STYLE NON-METALLIC PLUGS AND SOCKETS

Ex **ATEX Certificate: INERIS 20 ATEX 0022X**

CE **Socket: II 2G Ex db eb IIC T3/T4/T5/T6 Gb**
2813

Plug: II 2G Ex eb IIC T3/T4/T5/T6 Gb
II 2D Ex tb IIIC T800C Db IP 66 Ta= -50°C to +60°C

IECEX Certificate: IECEX INE 20.0020X

Socket: Ex db eb IIC T3/T4/T5/T6 Gb
Plug: Ex eb IIC T3/T4/T5/T6 Gb
Ex tb IIIC T800C Db IP 66
Ta= -50°C to +60°C

FEATURES-SPECIFICATIONS

Features

- Color coding and pin configuration makes it physically impossible to mate plugs and receptacles of different voltages and current ratings.
- Interlocked switch mechanism prevents accidental removal of plug from receptacle under load.
- Explosion Protected Internal Disconnect Switch
- Operating Temperature of -50°C to +60°C
- Earthing Stud and Earthing Plate available for earthing/grounding purposes.
- Provision for up to two optional auxiliary contact blocks, useful for signaling circuits or starter coils.

Materials

- Enclosure = Impact Resistant (7 Joules), Non-Metallic, Anti-Static, Glass-Fibre Reinforced Polyester (GRP)
- Gasket = Silicone
- Pins = Nickel Plated Brass
- Earth Stud = Brass
- Earthing Plate = Brass

Electrical Rating

Plugs/Sockets

- Amperage Configurations: 16A / 32A / 63A / 125A
- Voltage Configurations: 110VAC -690VAC

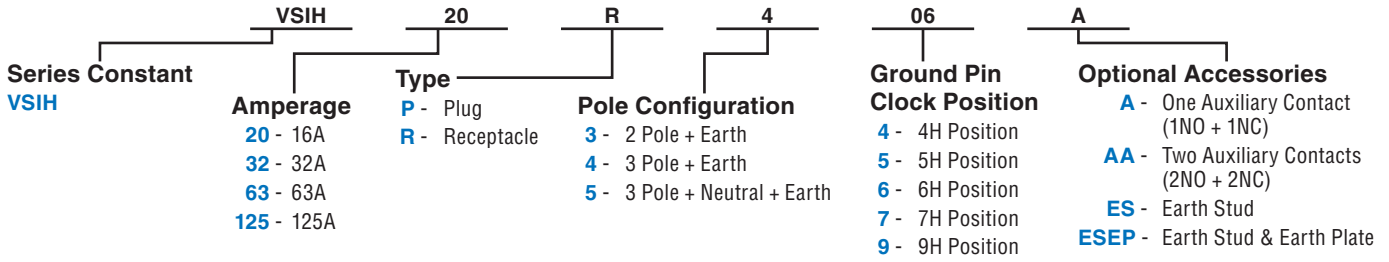
Auxiliary Contacts

- Amperage Configurations: 4A Max
- Voltage Configurations: 415VAC Max



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CATALOG LOGIC

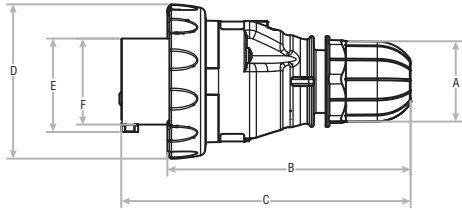


VSIH SERIES PLUGS & SWITCHED RECEPTACLES													
POLE CONFIG.	VOLTAGE	FREQUENCY (HZ)	GROUND POSITION (HR)	COLOR		CATALOG NUMBER							
				16/32/63A	125A	16A		32A		63A		125A	
						PLUG	RECEPT.	PLUG	RECEPT.	PLUG	RECEPT.	PLUG	RECEPT.
2P+E	100-130 VAC	50/60	4	Yellow	—	VSIH20P304	VSIH20R304	VSIH32P304	VSIH32R304	—	—	—	—
	200-250 VAC	50/60	6	Blue	—	VSIH20P306	VSIH20R306	VSIH32P306	VSIH32R306	—	—	—	—
	480-500 VAC	50/60	7	Red	—	VSIH20P307	VSIH20R307	—	—	—	—	—	—
3P+E	200-250 VAC	50/60	9	Blue	Black	VSIH20P409	VSIH20R409	VSIH32P409	VSIH32R409	VSIH63P409	VSIH63R409	VSIH125P409	VSIH125R409
	380-415 VAC	50/60	6	Red	Black	VSIH20P406	VSIH20R406	VSIH32P406	VSIH32R406	VSIH63P406	VSIH63R406	VSIH125P406	VSIH125R406
	480-500 VAC	50/60	7	Red	Black	VSIH20P407	VSIH20R407	VSIH32P407	VSIH32R407	VSIH63P407	VSIH63R407	VSIH125P407	VSIH125R407
	600-690 VAC	50/60	5	Red	Black	VSIH20P405	VSIH20R405	VSIH32P405	VSIH32R405	VSIH63P405	VSIH63R405	VSIH125P405	VSIH125R405
3P+N+E	208-250 VAC	50/60	9	Blue	Black	VSIH20P509	VSIH20R509	VSIH32P509	VSIH32R509	VSIH63P509	VSIH63R509	VSIH125P509	VSIH125R509
	346-415 VAC	50/60	6	Red	Black	VSIH20P506	VSIH20R506	VSIH32P506	VSIH32R506	VSIH63P506	VSIH63R506	VSIH125P506	VSIH125R506
	480-500 VAC	50/60	7	Red	Black	VSIH20P507	VSIH20R507	VSIH32P507	VSIH32R507	VSIH63P507	VSIH63R507	VSIH125P507	VSIH125R507
	600-690 VAC	50/60	5	Red	Black	VSIH20P505	VSIH20R505	VSIH32P505	VSIH32R505	VSIH63P505	VSIH63R505	VSIH125P505	VSIH125R505

VSIH SERIES PLUGS & SWITCHED RECEPTACLES (TECHNICAL DATA)				
RECEPTACLE	16A	32A	63A	125A
WIRING TERMINAL CAPACITY (CONDUCTOR CROSS SECTIONAL AREA)	4 mm ² - 10 mm ²	6 mm ² - 10 mm ²	16 mm ² - 25 mm ²	50 mm ² - 70 mm ²
WIRING TERMINAL CAPACITY (TIGHTENING TORQUE)	0.8 N·m	0.8 N·m	2.5 N·m	3.5 N·m
GROUND TERMINAL CAPACITY (CONDUCTOR CROSS SECTIONAL AREA)	10 mm ² (Finely Stranded) 16 mm ² (Solid)	10 mm ² (Finely Stranded) 16 mm ² (Solid)	2.5 mm ² - 35 mm ²	50 mm ² - 70 mm ²
GROUND TERMINAL CAPACITY (TIGHTENING TORQUE)	1.2 N·m	1.2 N·m	3.5 N·m	3.5 N·m
ENTRY SIZE (LOCATION)	1 x M25 (Bottom)	1 x M32 (Bottom)	1 x M40 (Bottom)	1 x M50 (Bottom)
AMBIENT TEMPERATURE	-50°C to +50°C (T6) -50°C to +60°C (T5)	-50°C to +60°C (T4) -50°C to +40°C (T5)	-35°C to +60°C (T3) -35°C to +40°C (T4)	-35°C to +40°C (T4)
AMBIENT TEMPERATURE (W/ OPTIONAL AUXILIARY CONTACTS)	-50°C to +50°C (T6) -50°C to +60°C (T5)	-50°C to +40°C (T5)	-35°C to +40°C (T4)	—
PLUG	16A	32A	63A	125A
WIRING TERMINAL CAPACITY (CONDUCTOR CROSS SECTIONAL AREA)	4 mm ²	6 mm ²	16 mm ²	50 mm ²
WIRING TERMINAL CAPACITY (TIGHTENING TORQUE)	1 N·m	1.5 N·m	2 N·m	4 N·m
CORD DIAMETER	10.9-14 mm (2P+E) 12.1-15.5 mm (3P+E) 13.3-17 mm (3P+N+E)	15.7-20 mm (2P+E) 15.7-20 mm (3P+E) 17.5-22.5 mm (3P+N+E)	19.1 - 31.5 mm	33-40 mm

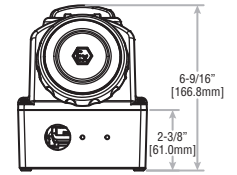
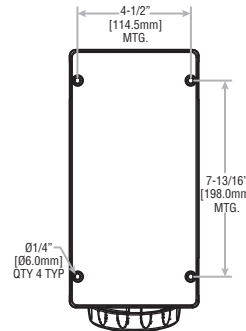
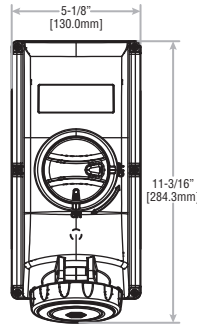
RECEPTACLES

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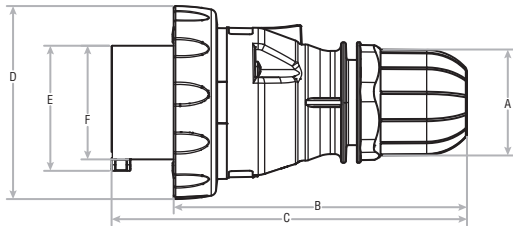


POLE	A	B	C	D	E	F
3P	1-5/8" [40.8mm]	4-13/16" [122.9mm]	5-3/4" [146.2mm]	3-1/16" [78.0mm]	1-7/8" [47.2mm]	1-11/16" [43.5mm]
4P	1-5/8" [40.8mm]	5-1/8" [129.9mm]	6-1/16" [153.2mm]	3-3/8" [85.1mm]	2-1/8" [53.7mm]	1-15/16" [49.5mm]
5P	2-1/8" [53.4mm]	5-3/4" [145.8mm]	6-11/16" [170.1mm]	3-5/8" [92.8mm]	2-3/8" [60.8mm]	2-3/16" [56.0mm]

VSIH 16AMP Plug

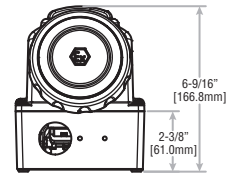
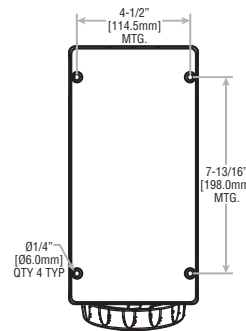
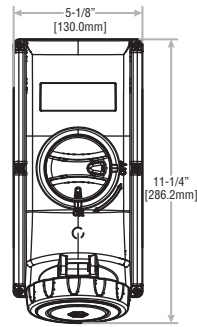


VSIH 16AMP Receptacle

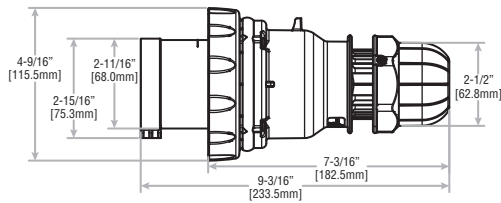


POLE	A	B	C	D	E	F
3/4P	2-1/8" [53.4mm]	5-13/16" [147.9mm]	7-1/16" [179.1mm]	3-13/16" [97.3mm]	2-1/2" [63.1mm]	2-1/4" [57.3mm]
5P	2-3/8" [59.8mm]	6-1/8" [154.8mm]	7-5/16" [186.1mm]	4-1/8" [104.4mm]	2-3/4" [69.7mm]	2-1/2" [63.3mm]

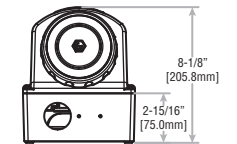
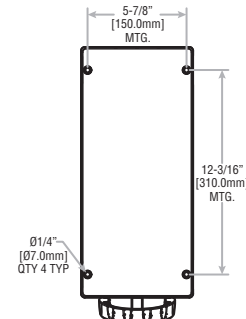
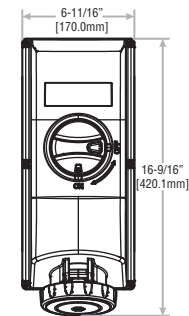
VSIH 32AMP Plug



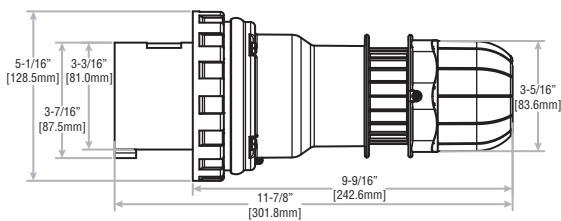
VSIH 32AMP Receptacle



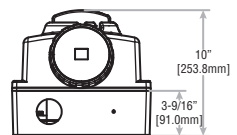
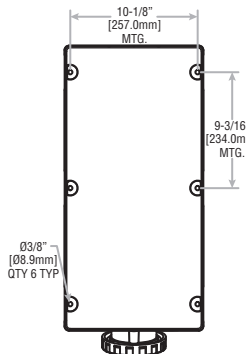
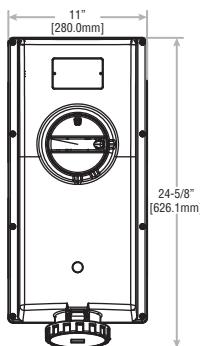
VSIH 63AMP Plug



VSIH 63AMP Receptacle



VSIH 125AMP Plug



VSIH 125AMP Receptacle