

					PLUG	CONNECTOR		INLET	
20-	30A	IP4 SPLA	4 SHPROOF				-) [h		• 11 •
(E	CUL)US 41950, E141954				turn⊇fix □	turn 2 tix □		turn <u>2</u> fix	
Ground Pir	Poles	Amps	Voltage	Color			Straight	Angled	Box
4h 6h 7h 5h	2P/3W 2P/3W 2P/3W 2P/3W	20A 20A 20A 20A	120V AC 250V AC 480V AC 277V AC	Yellow Blue Red Grey	S31S10A S31S20A S31S50A S31S50A S31S70A	K31S10A K31S20A K31S50A K31S70A	A31S12A A31S22A A31S52A A31S72A	A31S11A A31S21A A31S51A A31S51A A31S71A	G31S10A G31S20A G31S50A G31S70A
3h 9h 6h 7h 12h 5h	3P/4W 3P/4W 3P/4W 3P/4W 3P/4W 3P/4W	20A 20A 20A 20A 20A 20A	380/440V AC 250V AC 400V AC 480V AC 120/250V AC 600V AC	Red Blue Red Red Orange Black	S41S00A S41S20A S41S30A S41S50A S41S60A S41S60A S41S70A	K41S00A K41S20A K41S30A K41S50A K41S60A K41S70A	A41S02A A41S22A A41S32A A41S52A A41S52A A41S62A A41S72A	A41S01A A41S21A A41S31A A41S51A A41S61A A41S71A	G41S00A G41S20A G41S30A G41S50A G41S60A G41S70A
9h 6h 7h 5h	4P/5W 4P/5W 4P/5W 4P/5W	20A 20A 20A 20A	120/208V AC 400V AC 277/480V AC 347/600V AC	Blue Red Red Black	S51S20A S51S30A S51S50A S51S50A	K51S20A K51S30A K51S50A K51S70A	A51S22A A51S32A A51S52A A51S72A	A51S21A A51S31A A51S51A A51S71A	G51S20A G51S30A G51S50A G51S70A
4h 6h 7h 5h	2P/3W 2P/3W 2P/3W 2P/3W	30A 30A 30A 30A	120V AC 250V AC 480V AC 277V AC	Yellow Blue Red Grey	S32S10A S32S20A S32S50A S32S70A	K32S10A K32S20A K32S50A K32S70A	A32S12A A32S22A A32S52A A32S72A	A32S11A A32S21A A32S51A A32S71A	G32S10A G32S20A G32S50A G32S70A
3h 9h 6h 7h 12h 5h	3P/4W 3P/4W 3P/4W 3P/4W 3P/4W 3P/4W	30A 30A 30A 30A 30A 30A 30A	380/440V AC 250V AC 400V AC 480V AC 120/250V AC 600V AC	Red Blue Red Red Orange Black	S42S00A S42S20A S42S30A S42S50A S42S60A S42S60A S42S70A	K42S00A K42S20A K42S30A K42S50A K42S60A K42S70A	A42S02A A42S22A A42S32A A42S52A A42S52A A42S62A A42S72A	A42S01A A42S21A A42S31A A42S51A A42S61A A42S71A	G42S00A G42S20A G42S30A G42S50A G42S60A G42S70A
9h 6h 7h 5h	4P/5W 4P/5W 4P/5W 4P/5W	30A 30A 30A 30A	120/208V AC 400V AC 277/480V AC 347/600V AC	Blue Red Red Black	S52S20A S52S30A S52S50A S52S70A	K52S20A K52S30A K52S50A K52S70A	A52S22A A52S32A A52S52A A52S72A	A52S21A A52S31A A52S51A A52S71A	G52S20A G52S30A G52S50A G52S70A

	_					RECE	PTACLE	
20-3 (€ c E141	BOA UUS 950, E14195 ⁴	SPLA	4 ASHPROOF			The second		
Ground Pin	Poles	Amps	Voltage	Color	Straight	Angled 15°	Small Box	Large Box
4h 6h 7h 5h	2P/3W 2P/3W 2P/3W 2P/3W	20A 20A 20A 20A	120V AC 250V AC 480V AC 277V AC	Yellow Blue Red Grey	F31S10A F31S20A F31S50A F31S70A	F31S13A F31S23A F31S53A F31S73A	D31S11A D31S21A D31S51A D31S51A D31S71A	D31S10A D31S20A D31S50A D31S70A
3h 9h 6h 7h 12h 5h	3P/4W 3P/4W 3P/4W 3P/4W 3P/4W 3P/4W	20A 20A 20A 20A 20A 20A	380/440V AC 250V AC 400V AC 480V AC 120/250V AC 600V AC	Red Blue Red Red Orange Black	F41S00A F41S20A F41S30A F41S50A F41S50A F41S60A F41S70A	F41S03A F41S23A F41S33A F41S53A F41S63A F41S63A F41S73A	D41S01A D41S21A D41S31A D41S51A D41S51A D41S61A D41S71A	D41S00A D41S20A D41S30A D41S50A D41S60A D41S60A D41S70A
9h 6h 7h 5h 4h	4P/5W 4P/5W 4P/5W 4P/5W 2P/3W	20A 20A 20A 20A 30A	120/208V AC 400V AC 277/480V AC 347/600V AC 120V AC	Blue Red Red Black Yellow	F51S20A F51S30A F51S50A F51S70A F32S10A	F51S23A F51S33A F51S53A F51S73A F32S13A	D51S21A D51S31A D51S51A D51S71A D32S11A	D51S20A D51S30A D51S50A D51S70A D32S10A
6h 7h 5h 3h	2P/3W 2P/3W 2P/3W 2P/3W 3P/4W	30A 30A 30A 30A 30A	250V AC 250V AC 480V AC 277V AC 380/440V AC	Blue Red Grey Red	F32S10A F32S20A F32S50A F32S70A F42S00A	F32S13A F32S23A F32S53A F32S73A F42S03A	D32S11A D32S21A D32S51A D32S71A D42S01A	D32S10A D32S20A D32S50A D32S70A D42S00A
9h 6h 7h 12h 5h	3P/4W 3P/4W 3P/4W 3P/4W 3P/4W 3P/4W	30A 30A 30A 30A 30A 30A	250V AC 400V AC 480V AC 120/250V AC 600V AC	Blue Red Red Orange Black	F42S00A F42S20A F42S30A F42S50A F42S60A F42S70A	F42S03A F42S23A F42S33A F42S53A F42S63A F42S63A F42S73A	D42S01A D42S21A D42S31A D42S51A D42S61A D42S71A	D42S00A D42S20A D42S30A D42S50A D42S60A D42S70A
9h 6h 7h 5h	4P/5W 4P/5W 4P/5W 4P/5W	30A 30A 30A 30A	120/208V AC 400V AC 277/480V AC 347/600V AC	Blue Red Red Black	F52S20A F52S30A F52S50A F52S70A	F52S23A F52S33A F52S53A F52S73A	D52S21A D52S31A D52S51A D52S71A	D52S20A D52S30A D52S50A D52S70A

20	-30/	- V	P67 VATERTIGHT		PLUG			RECEPTACLE		INLET
Ce	E141950, E141				turn2fix	turn2fix		E		turn2fix
Ground Pir	n Poles	Amps	Voltage	Color			Straight	Angled 15°	Box	Angled
4h	2P/3W	20A	120V AC	Yellow	S31S15A	K31S15A	F31S15A	F31S18A	D31S15A	A31S16A
6h	2P/3W	20A	250V AC	Blue	S31S25A	K31S25A	F31S25A	F31S28A	D31S25A	A31S26A
7h	2P/3W	20A	480V AC	Red	S31S55A	K31S55A	F31S55A	F31S58A	D31S55A	A31S56A
5h	2P/3W	20A	277V AC	Grey	S31S75A	K31S75A	F31S75A	F31S78A	D31S75A	A31S76A
3h	3P/4W	20A	380/440V AC	Red	S41S05A	K41S05A	F41S05A	F41S08A	D41S05A	A41S06A
9h	3P/4W	20A	250V AC	Blue	S41S25A	K41S25A	F41S25A	F41S28A	D41S25A	A41S26A
6h	3P/4W	20A	400V AC	Red	S41S35A	K41S35A	F41S35A	F41S38A	D41S35A	A41S36A
7h	3P/4W	20A	480V AC	Red	S41S55A	K41S55A	F41S55A	F41S58A	D41S55A	A41S56A
12h	3P/4W	20A	120/250V AC	Orange	S41S65A	K41S65A	F41S65A	F41S68A	D41S65A	A41S66A
5h	3P/4W	20A	600V AC	Black	S41S75A	K41S75A	F41S75A	F41S78A	D41S75A	A41S76A
9h	4P/5W	20A	120/208V AC	Blue	S51S25A	K51S25A	F51S25A	F51S28A	D51S25A	A51S26A
6h	4P/5W	20A	400V AC	Red	S51S35A	K51S35A	F51S35A	F51S38A	D51S35A	A51S36A
7h	4P/5W	20A	277/480V AC	Red	S51S55A	K51S55A	F51S55A	F51S58A	D51S55A	A51S56A
5h	4P/5W	20A	347/600V AC	Black	S51S75A	K51S75A	F51S75A	F51S78A	D51S75A	A51S76A
4h	2P/3W	30A	120V AC	Yellow	S32S15A	K32S15A	F32S15A	F32S18A	D32S15A	A32S16A
6h	2P/3W	30A	250V AC	Blue	S32S25A	K32S25A	F32S25A	F32S28A	D32S25A	A32S26A
7h	2P/3W	30A	480V AC	Red	S32S55A	K32S55A	F32S55A	F32S58A	D32S55A	A32S56A
5h	2P/3W	30A	277V AC	Grey	S32S75A	K32S75A	F32S75A	F32S78A	D32S75A	A32S76A
3h	3P/4W	30A	380/440V AC	Red	S42S05A	K42S05A	F42S05A	F42S08A	D42S05A	A42S06A
9h	3P/4W	30A	250V AC	Blue	S42S25A	K42S25A	F42S25A	F42S28A	D42S25A	A42S26A
6h	3P/4W	30A	400V AC	Red	S42S35A	K42S35A	F42S35A	F42S38A	D42S35A	A42S36A
7h	3P/4W	30A	480V AC	Red	S42S55A	K42S55A	F42S55A	F42S58A	D42S55A	A42S56A
12h	3P/4W	30A	120/250V AC	Orange	S42S65A	K42S65A	F42S65A	F42S68A	D42S65A	A42S66A
5h	3P/4W	30A	600V AC	Black	S42S75A	K42S75A	F42S75A	F42S78A	D42S75A	A42S76A
9h	4P/5W	30A	120/208V AC	Blue	S52S25A	K52S25A	F52S25A	F52S28A	D52S25A	A52S26A
6h	4P/5W	30A	400V AC	Red	S52S35A	K52S35A	F52S35A	F52S38A	D52S35A	A52S36A
7h	4P/5W	30A	277/480V AC	Red	S52S55A	K52S55A	F52S55A	F52S58A	D52S55A	A52S56A
5h	4P/5W	30A	347/600V AC	Black	S52S75A	K52S75A	F52S75A	F52S78A	D52S75A	A52S76A

In accordance with the Standard's requirements, these devices are color coded to provide positive voltage and frequency matching and external key-ways ensure correct alignment of contact pins. The position of the ground pin relative to the socket's key-way are designated as a clock hour position.

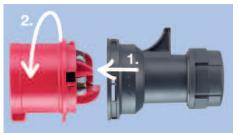
The ground terminal also has a larger diameter than the contacts, making it impossible to install it in an IEC 60309 device with a different voltage rating.

The shrouded housing made of high impact nylon material protects the contacts from physical abuse and safeguards against touching live parts when partially engaged.

All terminals are clearly marked in both IEC 60309 and North American Standards.

- · Terminals clearly marked
- · All screws are accessible from one side





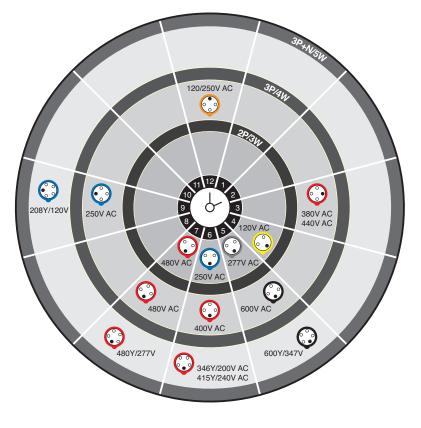
Assembly is simple and quick with the help of the multiramp locking system. Parts are delivered in a half unlocked stage to make initial assembly straightforward.

Match triangle icons for both housings in open position.
 Twist counter-clockwise until locked as per above figure.

9n	46/200
6h	4P/5W
7h	4P/5W
5h	4P/5W
4h	2P/3W
6h	2P/3W
7h	2P/3W
5h	2P/3W
3h	3P/4W
9h	3P/4W
6h	3P/4W
7h	3P/4W
12h	3P/4W
5h	3P/4W
9h	4P/5W
6h	4P/5W
7h	4P/5W
5h	4P/5W



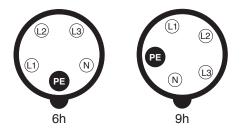
Voltage Configuration Chart



COLOR CODING AND GROUND PIN POSITIONS

Pin and Sleeve devices are color coded to provide positive voltage and frequency matching and external keyways ensure correct alignment of contact pins. The position of the ground pin relative to the socket's key-way are designated as a clock hour position.

The ground terminal also has a larger diameter than the contacts, making it impossible to install in an IEC 60309 device with a different voltage rating.



Front view of receptacle/connector to contact barrier

Ground Pin	Poles	Amps
4h	2P/3W	20A
6h	2P/3W	20A
7h	2P/3W	20A
5h	2P/3W	20A
3h	3P/4W	20A
9h	3P/4W	20A
6h	3P/4W	20A
7h	3P/4W	20A
12h	3P/4W	20A
5h	3P/4W	20A
9h	4P/5W	20A
6h	4P/5W	20A
7h	4P/5W	20A
5h	4P/5W	20A
4h	2P/3W	30A
6h	2P/3W	30A
7h	2P/3W	30A
5h	2P/3W	30A
3h	3P/4W	30A
9h	3P/4W	30A
6h	3P/4W	30A
7h	3P/4W	30A
12h	3P/4W	30A
5h	3P/4W	30A
9h	4P/5W	30A
6h	4P/5W	30A
7h	4P/5W	30A
5h	4P/5W	30A

For ÖVE Approvals please con

Environmental

Temperature Range, Operating	-25°C to + 80°C (-13°F to + 176°F)
Temperature Resistance	Up to 1 hour +100°C (167°F)
Moisture Resistance	Splashproof IP 44; Watertight IP 67; Per IEC 60309-1, Clause 18
Flammability	per IEC 60309-1 / Clause 27 Flame Class Rating UL 94 or CSA C22.2 No. 0.17: V-2

Material	20 - 30 Amp	60 - 100 Amp
Housing (Front and Back)	Polyamide 6	Polyamide 6
Cover	Polyamide 6	Polyamide 6
Cover Rivet	Splashproof IP44: Polyamide 6	Brass
	Watertight IP67: Brass	
Cover Spring	Spring Steel	Stainless Steel (A2)
Contact Carrier	Polyamide 6	Polyamide 6
Contacts	Brass or Nickel-plated Brass	Brass
Terminal Screws	Steel, Brass or Nickel Plated Brass	Steel, Nickel Plated, Bichromated
Cord Clamp / Bushing	Polypropylene and Thermoplastic Elastomer	Concentric Laminated Rubber
Gland Nut	Polyamide 6	Polyamide 6
Assembly Screws	Steel	Steel, Nickel Plated, Chromated
Internal Strain Relief	NA	Polyamide 6
Retaining Ring	NA	Steel, Electro Zinc Plated

Recommended Wire Size*

UL/CSA	Amp Rating	Wire Size / UL (min.)	Wire Size / CSA (min.)
	20	12 AWG	14 AWG
	30	10 AWG	12 AWG
	60	4 AWG	4 AWG
	100	2 AWG	2 AWG
IEC	Amp Rating 16 32	Flexible Wire per IEC Plugs, Connectors, Receptacles, Inlets 1mm ² - 2.5mm ² 2.5mm ² - 6mm ²	Solid Wire per IEC Receptacles, Inlets 1mm ² - 4mm ² 2.5mm ² - 10mm ²
	63	min. 10mm ²	min. 10mm ²
	125	min. 35mm ²	min. 35mm ²

Recommended Screw Torque for Terminal Set Screws

Amp Rating 16A/20A 32A/30A	Receptacles, Inlets Receptacles, Inlets	Terminal Screws [lb.in.] 8.85 9.74	Housing Screws [lb.in.] 9.74 9.74
16A/20A 32A/30A	Plugs, Connectors Plugs, Connectors	8.85 9.74	Strain Relief [lb.in.] 35.4 44.3
63/60A 125/100A		17.7 88.5	

* Please refer to National Electric Code, to determine wire size for different Amp Ratings.

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 3011-06
 A52S22A
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 26T49
 2707
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