

## Plugs and Sockets SolConeX & CES

Series 7570, 7571, 7575, 7579, 7581



www.stahl.de



10343E00

- > For use in Zones 2 and 22
- > Various versions
  - 16 A, extra-low voltage
  - 16, 32, 63, 125 A
- > Large handle, can be locked in position 0 and 1
- > Optimal contact by means of self-cleaning laminated contacts
- > Low plugging and pulling forces through individually encapsulated pins, flexibly embedded
- > With motor switching capacity AC-3 acc. to IEC 60947-3
- > Optional auxiliary contacts for control and signalling purposes
- > IP66 in any application position



E3

The plugs and sockets Series SolConeX 757 and CES 757 from R. STAHL offer an extensive program of plugs and sockets for use in Zones 2 and 22. The versions offered range from 16 A to 125 A. The devices comply with IEC/EN 60309-1/-2 (CEE). An important safety function of the plugs and sockets is a reliable load disconnect switch with a large, highly visible handle. Plugging in and unplugging is done easily and safely in 0 position. The ability to plug the Ex-plug in non-Ex-sockets is guaranteed, while operation of the Ex-socket using a non-Ex-plug is reliably prevented.

Zone	ATEX					
	0	1	2	20	21	22
For use in			x			x



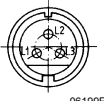

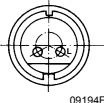

WebCode 7570A

# Plugs and Sockets CES

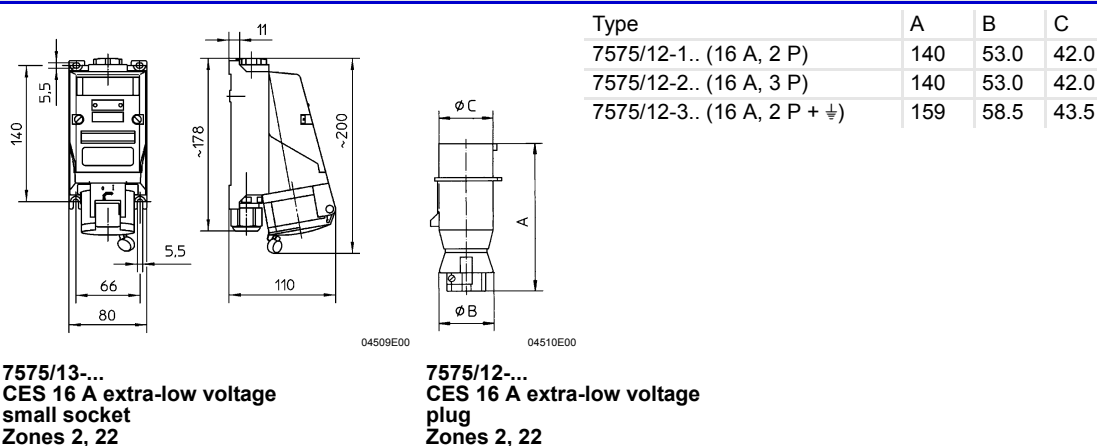
## Series 7575



### Selection Table

Version	Number of poles	Voltage [V]	Identificati on colour	Frequency [Hz]	h	Order number	Weight kg
<b>CES 16 A extra-low voltage small socket</b> Zones 2, 22  01657E00	Extra-low voltage	 2 P 06193E00	20 ... 25 V violet	50 / 60	--	<b>7575/13-100</b>	0.920
			20 ... 25 V violet	DC	1 0	<b>7575/13-110</b>	0.983
		 3 P 06199E00	40 ... 50 V light grey	50 / 60	1 2	<b>7575/13-112</b>	0.900
			20 ... 25 V violet	50 / 60	--	<b>7575/13-200</b>	0.940
			40 ... 50 V light grey	50 / 60	1 2	<b>7575/13-212</b>	0.940
			20 ... 25 V violet	50 / 60	--	<b>7575/13-200</b>	0.940
<b>CES 16 A extra-low voltage plug</b> Zones 2, 22  10372E00	Extra-low voltage	 2 P 09194E00	20 ... 25 V violet	50 / 60	--	<b>7575/12-100</b>	0.200
			20 ... 25 V violet	DC	1 0	<b>7575/12-110</b>	0.216
		 3 P 09193E00	40 ... 50 V light grey	50 / 60	1 2	<b>7575/12-112</b>	0.190
			20 ... 25 V violet	50 / 60	--	<b>7575/12-200</b>	0.220
			40 ... 50 V light grey	50 / 60	1 2	<b>7575/12-212</b>	0.215
			20 ... 25 V violet	50 / 60	--	<b>7575/12-200</b>	0.220

### Dimensional Drawings (All Dimensions in mm) - Subject to Alterations









# Plugs and Sockets SolConeX

## Series 7570

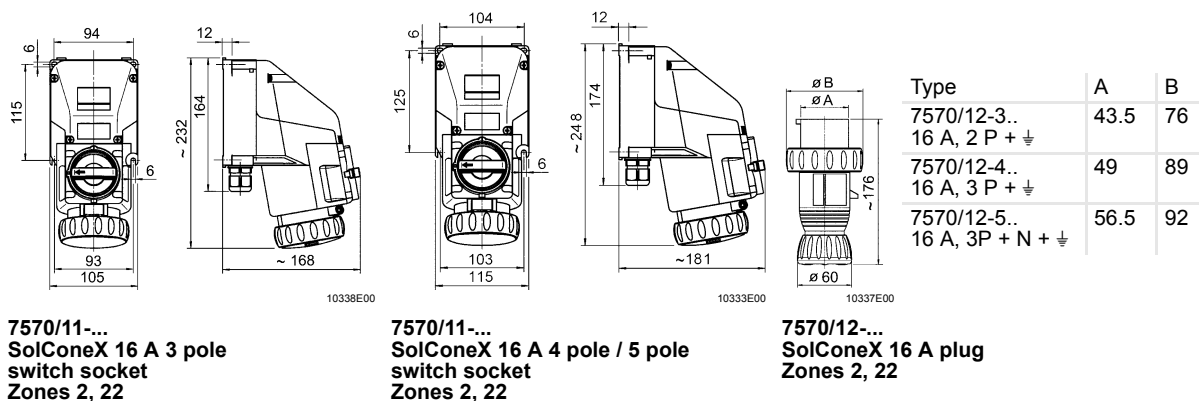


Selection Table

Version	Number of poles	Voltage [V]	Identification colour	Frequency [Hz]	h	Order number	Weight kg	
SolConeX 16 A switch socket Zones 2, 22  10327E00	 3 P (2 P + PE) 06190E00	100 ... 130	yellow	50 / 60	4	<b>7570/11-304</b>	1.120	
		200 ... 250	blue	50 / 60	6	<b>7570/11-306</b>	1.120	
	 4 P (3 P + PE) 06556E00	200 ... 250	blue	50 / 60	9	<b>7570/11-409</b>	1.350	
		380 ... 415	red	50 / 60	6	<b>7570/11-406</b>	1.350	
		480 ... 500	black	50 / 60	7	<b>7570/11-407</b>	1.350	
		600 ... 690	black	50 / 60	5	<b>7570/11-405</b>	1.350	
	 5 P (3 P + N + PE) 06555E00	120 / 208 ... 144 / 250	blue	50 / 60	9	<b>7570/11-509</b>	1.450	
		200 / 346 ... 240 / 415	red	50 / 60	6	<b>7570/11-506</b>	1.450	
		277 / 480 ... 288 / 500	black	50 / 60	7	<b>7570/11-507</b>	1.450	
		347 / 600 ... 400 / 690	black	50 / 60	5	<b>7570/11-505</b>	1.450	
SolConeX 16 A plug Zones 2, 22  10329E00		 3 P (2 P + PE) 09195E00	100 ... 130	yellow	50 / 60	4	<b>7570/12-304</b>	0.310
			200 ... 250	blue	50 / 60	6	<b>7570/12-306</b>	0.310
	 4 P (3 P + PE) 09191E00	200 ... 250	blue	50 / 60	9	<b>7570/12-409</b>	0.380	
		380 ... 415	red	50 / 60	6	<b>7570/12-406</b>	0.380	
480 ... 500		black	50 / 60	7	<b>7570/12-407</b>	0.380		
600 ... 690		black	50 / 60	5	<b>7570/12-405</b>	0.380		
 5 P (3 P + N + PE) 09196E00	120 / 208 ... 144 / 250	blue	50 / 60	9	<b>7570/12-509</b>	0.430		
	200 / 346 ... 240 / 415	red	50 / 60	6	<b>7570/12-506</b>	0.430		
	277 / 480 ... 288 / 500	black	50 / 60	7	<b>7570/12-507</b>	0.430		
	347 / 600 ... 400 / 690	black	50 / 60	5	<b>7570/12-505</b>	0.430		

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Dimensional Drawings (All Dimensions in mm) - Subject to Alterations






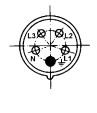


# Plugs and Sockets SolConeX

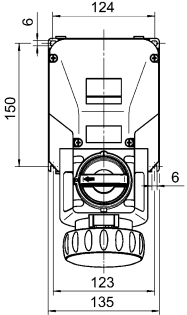
## Series 7571



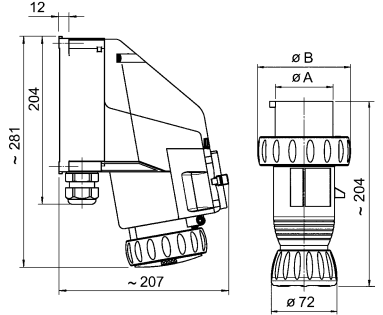
### Selection Table

Version	Number of poles	Voltage [V]	Identification colour	Frequency [Hz]	h	Order number	Weight kg	
<b>SolConeX 32 A switch socket</b> Zones 2, 22  10324E00	 06556E00 4 P (3 P + PE)	200 ... 250	blue	50 / 60	9	<b>7571/11-409</b>	2.000	
		380 ... 415	red	50 / 60	6	<b>7571/11-406</b>	2.000	
		480 ... 500	black	50 / 60	7	<b>7571/11-407</b>	2.000	
		600 ... 690	black	50 / 60	5	<b>7571/11-405</b>	2.000	
	 06555E00 5 P (3 P + N + PE)	200 / 346 ... 240 / 415	red	50 / 60	6	<b>7571/11-506</b>	2.200	
		277 / 480 ... 288 / 500	black	50 / 60	7	<b>7571/11-507</b>	2.200	
<b>SolConeX 32 A plug</b> Zones 2, 22  10325E00	 09191E00 4 P (3 P + PE)	200 ... 250	blue	50 / 60	9	<b>7571/12-409</b>	0.500	
		380 ... 415	red	50 / 60	6	<b>7571/12-406</b>	0.500	
		480 ... 500	black	50 / 60	7	<b>7571/12-407</b>	0.500	
	 09196E00 5 P (3 P + N + PE)	600 ... 690	black	50 / 60	5	<b>7571/12-405</b>	0.500	
		200 / 346 ... 240 / 415	red	50 / 60	6	<b>7571/12-506</b>	0.600	
		277 / 480 ... 288 / 500	black	50 / 60	7	<b>7571/12-507</b>	0.600	

### Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



10339E00



10340E00

Type	A	B
7571/12-4.. (32 A, 3 P + PE)	57	99
7571/12-5.. (32 A, 3 P + N + PE)	63.4	102

**7571/11-...**  
SolConeX 32 A switch socket  
Zones 2, 22







**7571/12-...**  
SolConeX 32 A plug  
Zones 2, 22

# Plugs and Sockets CES

## Series 7579

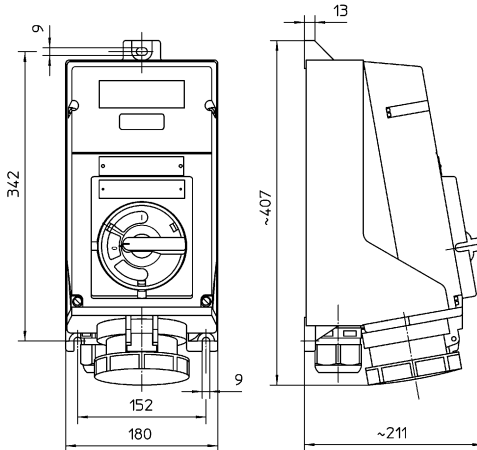


### Selection Table

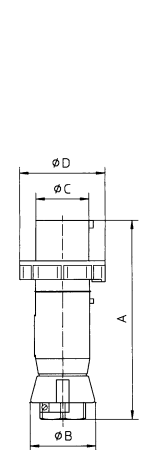
Version	Number of poles	Voltage [V]	Identification colour	Frequency [Hz]	h	Order number	Weight kg
<b>CES 63 A switch socket</b> Zones 2, 22   <small>01679E00</small>	 4 P (3 P + PE) <small>06556E00</small>	200 ... 250	blue	50 / 60	9	<b>7579/11-409</b>	7.020
		380 ... 415	red	50 / 60	6	<b>7579/11-406</b>	7.900
		480 ... 500	black	50 / 60	7	<b>7579/11-407</b>	7.800
		600 ... 690	black	50 / 60	5	<b>7579/11-405</b>	7.020
	 5 P (3 P + N + PE) <small>06555E00</small>	200 / 346 ... 240 / 415	red	50 / 60	6	<b>7579/11-506</b>	7.800
		277 / 480 ... 288 / 500	black	50 / 60	7	<b>7579/11-507</b>	7.120
<b>CES 63 A plug</b> Zones 2, 22   <small>01675E00</small>	 4 P (3 P + PE) <small>09191E00</small>	200 ... 250	blue	50 / 60	9	<b>7579/12-409</b>	0.840
		380 ... 415	red	50 / 60	6	<b>7579/12-406</b>	0.935
		480 ... 500	black	50 / 60	7	<b>7579/12-407</b>	0.900
		600 ... 690	black	50 / 60	5	<b>7579/12-405</b>	0.820
	 5 P (3 P + N + PE) <small>09196E00</small>	200 / 346 ... 240 / 415	red	50 / 60	6	<b>7579/12-506</b>	0.990
		277 / 480 ... 288 / 500	black	50 / 60	7	<b>7579/12-507</b>	0.880

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### Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



04508E00



04511E00

Type	A	B	C	D
7579/12-4.. (63 A, 3 P + PE)	268.5	84.0	69.5	112
7579/12-5.. (63 A, 3 P + N + PE)	268.5	84.0	69.5	112

**7579/11-...**  
**CES 63 A switch socket**  
Zones 2, 22







**7579/12-...**  
**CES 63 A plug**  
Zones 2, 22

# Plugs and Sockets CES

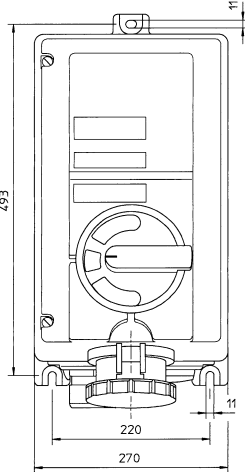
## Series 7581



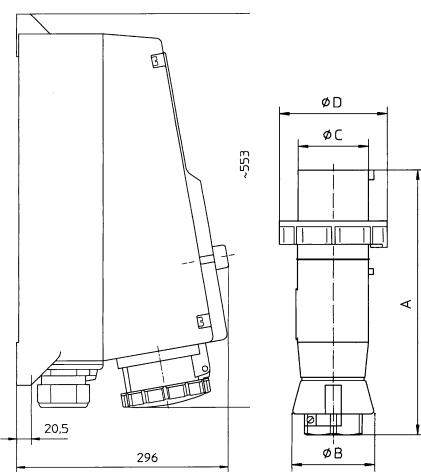
### Selection Table

Version	Number of poles	Voltage [V]	Identification colour	Frequency [Hz]	h	Order number	Weight kg
<b>CES 125 A switch socket</b> Zones 2, 22  01678E00	 06556E00 4 P (3 P + PE)	200 ... 250	blue	50 / 60	9	<b>7581/11-409</b>	20.920
		380 ... 415	red	50 / 60	6	<b>7581/11-406</b>	20.920
		480 ... 500	black	50 / 60	7	<b>7581/11-407</b>	20.920
	 06555E00 5 P (3 P + N + PE)	200 / 346 ... 240 / 415	red	50 / 60	6	<b>7581/11-506</b>	22.040
		277 / 480 ... 288 / 500	black	50 / 60	7	<b>7581/11-507</b>	22.040
<b>CES 125 A plug</b> Zones 2, 22  02231E00	 09191E00 4 P (3 P + PE)	200 ... 250	blue	50 / 60	9	<b>7581/12-409</b>	1.280
		380 ... 415	red	50 / 60	6	<b>7581/12-406</b>	1.280
		480 ... 500	black	50 / 60	7	<b>7581/12-407</b>	1.280
	 09196E00 5 P (3 P + N + PE)	200 / 346 ... 240 / 415	red	50 / 60	6	<b>7581/12-506</b>	1.380
		277 / 480 ... 288 / 500	black	50 / 60	7	<b>7581/12-507</b>	1.380

### Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



04504E00



04512E00

	7581/12-4... 125 A 3 P + PE	7581/12-5... 125 A 3 P + N + PE
A	310.5	310.5
B	96.0	96.0
C	82.0	82.0
D	125	125

**7581/11-...**  
CES 125 A switch socket  
Zones 2, 22

**7581/12-...**  
CES 125 A plug  
Zones 2, 22

## Plugs and Sockets SolConeX & CES

Series 7570, 7571, 7575, 7579, 7581



Explosion Protection		
<b>Device version</b>		
	<b>CES 16 A extra-low voltage</b>	<b>SolConeX 16 A</b>
<b>Marking</b>		
<b>Version</b>	<b>Socket 7575/13 (16 A), Plug 7575/12</b>	<b>Socket 7570/11 (16 A), Plug 7570/12</b>
Europe (ATEX)	⊕ II 3 G EEx nAC IIC T6, T5	⊕ II 3 G EEx nAC IIC T6
<b>Certificates</b>		
<b>Version</b>	<b>Socket 7575/13 (16 A), Plug 7575/12</b>	<b>Socket 7570/11 (16 A), Plug 7570/12</b>
Europe (ATEX)	ASEV 99.1 10215.01	PTB 05 ATEX 1013
Other certificates	India (PESO), Belarus (Gospromnadzor)	Belarus (Gospromnadzor)
<b>Explosion Protection</b>		
<b>Device version</b>		
	<b>SolConeX 32 A</b>	<b>CES 63 A</b>
<b>Marking</b>		
<b>Version</b>	<b>Socket 7571/11 (32 A), Plug 7571/12</b>	<b>Socket 7579/11 (63 A), Plug 7579/12</b>
Europe (ATEX)	⊕ II 3 G EEx nAC IIC T6, T5	⊕ II 3 G EEx nAC IIC T6, T5, T4
<b>Certificates</b>		
<b>Version</b>	<b>Socket 7571/11 (32 A), Plug 7571/12</b>	<b>Socket 7579/11 (63 A), Plug 7579/12</b>
Europe (ATEX)	PTB 05 ATEX 1012	ASEV 99.1 10215.04
Other certificates	Belarus (Gospromnadzor)	India (PESO), Belarus (Gospromnadzor)
<b>Explosion Protection</b>		
<b>Device version</b>		
	<b>CES 125 A</b>	
<b>Marking</b>		
<b>Version</b>	<b>Socket 7581/11 (125 A), Plug 7581/12</b>	
Europe (ATEX)	⊕ II 3 G EEx nAC IIC T6, T5	
<b>Certificates</b>		
<b>Version</b>	<b>Socket 7581/11 (125 A), Plug 7581/12</b>	
Europe (ATEX)	ASEV 99.1 10215.05	
Other certificates	Belarus (Gospromnadzor)	

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# Plugs and Sockets SolConeX & CES

## Series 7570, 7575



### Technical Data

Device version	CES 16 A extra-low voltage	SolConeX 16 A
<b>Electrical data</b>		
<b>Version</b>	<b>Socket 7575/13 (16 A), Plug 7575/12</b>	<b>Socket 7570/11 (16 A), Plug 7570/12</b>
Rated operational voltage		
Main contacts	max. 415 V	max. 690 V AC max. 110 V DC
Auxiliary contacts	--	max. 500 V AC / 110 V DC
Rated operational current		
Main contacts	16 A	16 A
Auxiliary contacts	--	max. 6 A
Switching capacity	AC-3: 415 V, 16 A 4 kW: 220 V/230 V/240 V 7.5 kW: 380 V/400 V/415 V	Main contacts: AC-3: 690 V, 16 A 4 kW 220 V / 230 V / 240 V 7.5 kW 380 V / 400 V / 415 V / 500 V 11 kW 600 V / 690 V DC-1: 110 V, 16 A
Short circuit protection		
without thermal protection	16 A gG	16 A gG
with thermal protection	35 A gG	35 A gG
Interlocked switch	3 pole, with normally closed contacts (NC)	max. 4 pole switch 2 optional auxiliary contacts (ON - delayed, OFF - advanced)
<b>Ambient conditions</b>		
Ambient temperature	- 20 ... + 40 °C - 50 ... + 55 °C on request	
<b>Mechanical data</b>		
<b>Version</b>	<b>Socket 7575/13 (16 A)</b>	<b>Socket 7570/11 (16 A)</b>
Degree of protection	IP66 (IP55 plug inserted)	IP66
Enclosure material	Polyester	Polyamide, glass fibre reinforced
Operating handle	--	Actuator is lockable in 0 and I position
<b>Version</b>	<b>Plug 7575/12</b>	<b>Plug 7570/12</b>
Degree of protection	IP54	IP66
Enclosure material	Polyamide	Polyamid, glasfaserverstärkt
<b>Mounting / Installation</b>		
<b>Version</b>	<b>Socket 7575/13 (16 A)</b>	<b>Socket 7570/11 (16 A)</b>
Terminals	2 x 4 mm <sup>2</sup> , additional slide-in terminal block with 2 supporting terminals for each 2 x 4 mm <sup>2</sup>	2 x 1.5 ... 6 mm <sup>2</sup> solid 2 x 1.5 ... 4 mm <sup>2</sup> finely-stranded
Cable glands		
Cable entries	1 x M25 x 1.5 (positioning on the top or at the side, depending on the order)	1 x M25 x 1.5 (positioning on the top or at the side, depending on the order)
Stopping plugs	1 x M25 x 1.5	1 x M25 x 1.5
<b>Version</b>	<b>Plug 7575/12</b>	<b>Plug 7570/12</b>
Terminals	4 mm <sup>2</sup>	1 x 1.5 ... 4 mm <sup>2</sup> finely stranded
Cable entries	11 ... 21 mm cable diameter	8 ... 20 mm cable diameter



# Plugs and Sockets SolConeX & CES

Series 7571, 7579



Technical Data		
Device version		
	SolConeX 32 A	CES 63 A
<b>Electrical data</b>		
<b>Version</b>	<b>Socket 7571/11 (32 A), Plug 7571/12</b>	<b>Socket 7579/11 (63 A), Plug 7579/12</b>
Rated operational voltage		
Main contacts	max. 690 V AC max. 110 V DC	max. 690 V
Auxiliary contacts	max. 500 V AC / 110 V DC	max. 415 V
Rated operational current		
Main contacts	32 A	63 A ≥ 100 Hz: 50 A
Auxiliary contacts	max. 6 A	max. 6 A
Switching capacity	Main contacts: AC-3: 690 V, 32 A 7.5 kW: 220 V / 230 V / 240 V 15 kW: 380 V / 400 V / 415 V 30 kW: 600 V / 690 V  Auxiliary contacts: AC-15: 500 V, max. 1250 VA AC-15: 230 V, max. 1380 VA AC-12: 500 V, max. 3000 VA DC-13: 110 V, 110 W	AC-3: 690 V, 63 A 18.5 kW: 220 V 230 V 240 V 30 kW: 380 V 400 V 415 V 37 kW: 500 V 55 kW: 690 V
Short circuit protection		
without thermal protection	35 A gG	63 A gG
with thermal protection	63 A gG	80 A gG
Interlocked switch	max. 4 pole switch 2 optional auxiliary contacts (ON - delayed, OFF - advanced)	3 pole switch with isolating characteristics 1 auxiliary contact (ON - delayed, OFF - advanced)
<b>Ambient conditions</b>		
Ambient temperature	- 20 ... + 40 °C - 50 ... + 55 °C on request	
<b>Mechanical data</b>		
<b>Version</b>	<b>Socket 7571/11 (32 A)</b>	<b>Socket 7579/11 (63 A)</b>
Degree of protection	IP66	IP66
Enclosure material	Polyamide, glass fibre reinforced	Polyester
Operating handle	Actuator is lockable in 0 and I position	Actuator is lockable in 0 and I position
<b>Version</b>	<b>Plug 7571/12</b>	<b>Plug 7579/12</b>
Degree of protection	IP66	IP66
Enclosure material	Polyamid, glasfaserverstärkt	Polyamide
<b>Mounting / Installation</b>		
<b>Version</b>	<b>Socket 7571/11 (32 A)</b>	<b>Socket 7579/11 (63 A)</b>
Terminals	2 x 2.5 ... 10 mm <sup>2</sup> single-wire 2 x 2.5 ... 6 mm <sup>2</sup> finely stranded	1 x 35 mm <sup>2</sup> with cable lug 2 x 35 mm <sup>2</sup>
Cable glands		
Cable entries	1 x M32 x 1.5 (positioning on the top or at the side, depending on the order)	1 x M50 x 1.5 (positioning on the top or at the side, depending on the order)
Stopping plugs	1 x M32 x 1.5	1 x M25 x 1.5
<b>Version</b>	<b>Plug 7571/12</b>	<b>Plug 7579/12</b>
Terminals	1 x 2.5 ... 10 mm <sup>2</sup> finely stranded	16 mm <sup>2</sup>
Cable entries	12 ... 28 mm cable diameter	24 ... 36 mm cable diameter

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# Plugs and Sockets CES

## Series 7581



### Technical Data

<b>Device version</b>	<b>CES 125 A</b>
<b>Electrical data</b>	
<b>Version</b>	<b>Socket 7581/11 (125 A), Plug 7581/12</b>
Rated operational voltage	
Main contacts	max. 690 V
Auxiliary contacts	max. 415 V
Rated operational current	
Main contacts	125 A ≥ 100 Hz: 100 A
Auxiliary contacts	max. 6 A
Switching capacity	AC-3: 500 V, 125 A AC-23: 690 V, 125 A
Short circuit protection	
without thermal protection	125 A gG
with thermal protection	160 A gG
Interlocked switch	3 pole switch with isolating characteristics 1 auxiliary contact (ON - delayed, OFF - advanced)
<b>Ambient conditions</b>	
Ambient temperature	- 20 ... + 40 °C - 50 ... + 55 °C on request
<b>Mechanical data</b>	
<b>Version</b>	<b>Socket 7581/11 (125 A)</b>
Degree of protection	IP66
Enclosure material	Polyester
Operating handle	Actuator is lockable in 0 and I position
<b>Version</b>	<b>Plug 7581/12</b>
Degree of protection	IP66
Enclosure material	Polyamide
<b>Mounting / Installation</b>	
<b>Version</b>	<b>Socket 7581/11 (125 A)</b>
Terminals	1 x 120 mm <sup>2</sup> with additional terminal clip 2 x 120 mm <sup>2</sup>
Cable glands	
Cable entries	1 x M63 x 1.5 (positioning on the top or at the side, depending on the order)
Stopping plugs	1 x M25 x 1.5; 1 x M63 x 1.5
<b>Version</b>	<b>Plug 7581/12</b>
Terminals	35 mm <sup>2</sup>
Cable entries	30 ... 50 mm cable diameter

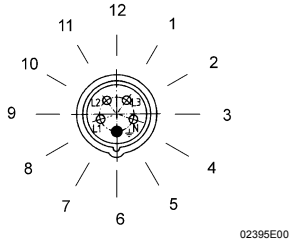
# Plugs and Sockets SolConeX & CES

Series 7570, 7571, 7575, 7579, 7581



## Arrangement of Earth Contact Sockets

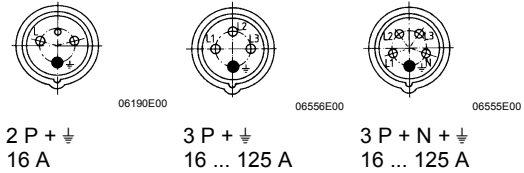
Examples:  
Clock hour position,  
Front view of socket



Examples:  
Clock hour position

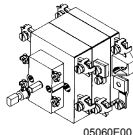
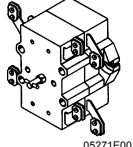
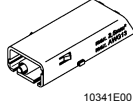

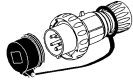


Marking of connections  
Front view of socket



E3

## Accessories and Spare Parts

Designation	Illustration	Description	Art. no.	Weight kg
Switch	 05060E00	for socket: 7579/11	<b>148592</b>	1.529
	 05271E00	for socket: 7581/11	<b>148922</b>	4.101
Auxiliary contact (retrofitable)	 10341E00	for sockets Series 7570 and 7571		
		1 NO	<b>150682</b>	0.125
		1 NC	<b>150680</b>	0.125
		1 NO, gold contact	<b>150686</b>	0.125
		1 NC, gold contact	<b>150684</b>	0.125
Additional terminal block	 04911E00	for 7575/13 additional slide-in terminal block with 2 supporting terminals, each for 2 x 4 mm <sup>2</sup>	<b>151307</b>	0.019
Protective caps	 05365E00	for plug 16 A 3 pole not for extra-low voltage version	<b>150496</b>	0.043
		for plug 16 A 4 pole	<b>150510</b>	0.049
		for plug 16 A 5 pole	<b>150520</b>	0.056
		for plug 32 A 4 pole	<b>150856</b>	0.070
		for plug 32 A 5 pole	<b>150865</b>	0.077
		for plug 63 A 4 / 5 poles	<b>153261</b>	0.100
		for plug 125 A 4 / 5 poles	<b>153730</b>	0.120

We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.