



10342E00

### Plugs and Sockets

SolConeX Series 7570, 7571

CES Series 7575, 7579, 7581

- For use in
  - Zone 2
  - Zone 22
- Certified for
  - gas explosion protection
  - dust explosion protection
- Series
  - 7575: 16 A, extra low voltage
  - 7570: 16 A
  - 7571: 32 A
  - 7579: 63 A
  - 7581: 125 A
- Type of protection IP 66
- Optimal contact by means of laminated contacts
- Individually encapsulated pins, flexibly embedded
- Switches
  - with large handle
  - can be locked in 0 and 1 positions
  - with clear switch position indication
  - with motor switching AC3 IEC 60 947-3
  - with auxiliary contact for control and signalling purposes

STAHL


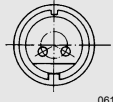


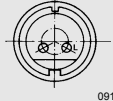

The plugs and sockets in the CES system comply with IEC/EN 60 309-1/ -2 (CEE).

The small 16 A socket has switching capacity AC3 acc. to IEC 60 947-3. The interlock switch is incorporated into the bush carrier. 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.

The ability to plug Zone 2-plug into a Zone 1-socket is reliably prevented. However a Zone 1-plug is possible to use with a Zone 2-socket.

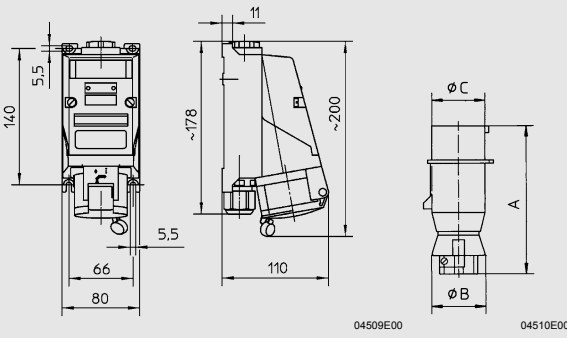
# Zones 2, 22

**Selection Table**

Version	Number of pins	Voltage [V]	Colour	Frequency [Hz]	h	Ordering code	Weight kg	
<b>Small socket 16 A</b> Zones 2, 22   01657E00	Extra low voltage   2 P 06193E00	20 - 25	violet	50/60	--	<b>7575/13-100</b>	0,920	
		20 - 25	violet	DC	10	<b>7575/13-110</b>	0,920	
		40 - 50	light grey	50/60	12	<b>7575/13-112</b>	0,920	
		 3 P 06199E00	20 - 25	violet	50/60	--	<b>7575/13-200</b>	0,940
			40 - 50	light grey	50/60	12	<b>7575/13-212</b>	0,940
			<b>Plug 16 A</b> Zones 2, 22   01677E00	 2 P 09194E00	20 - 25	violet	50/60	--
20 - 25	violet	DC			10	<b>7575/12-110</b>	0,200	
40 - 50	light grey	50/60			12	<b>7575/12-112</b>	0,200	
 3 P 09193E00	20 - 25	violet			50/60	--	<b>7575/12-200</b>	0,220
	40 - 50	light grey			50/60	12	<b>7575/12-212</b>	0,220

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

Type	A	B	C
7575/12-1.. (16 A, 2 P)	140	53,0	42,0
7575/12-2.. (16 A, 3 P)	140	53,0	42,0
7575/12-3.. (16 A, 2 P + $\frac{1}{2}$ )	159	58,5	43,5









  


**7575/13-...  
16 A Small socket  
Zones 2, 22**

**7575/12-...  
16 A Plug  
Zones 2, 22**

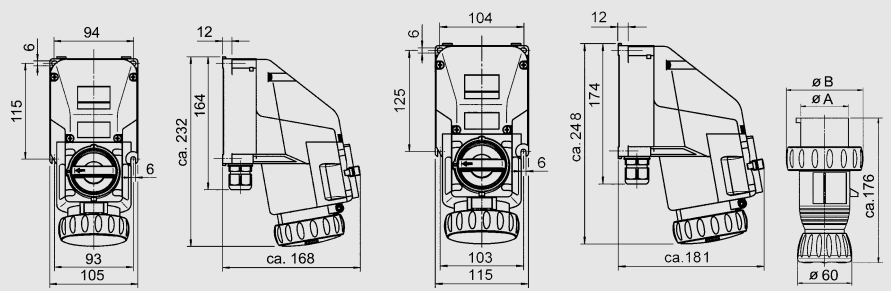


### Selection Table

Version	Number of pins	Voltage [V]	Colour	Frequency [Hz]	h	Ordering code	Weight kg
<b>Switch socket 16 A Zones 2, 22</b>   10327E00	 06190E00 3 P (2 P + 1)	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
	 06556E00 4 P (3 P + 1)	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
	 06555E00 5 P (3 P + N + 1)	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
<b>Plug 16 A Zones 2, 22</b>   10329E00		 09195E00 3 P (2 P + 1)	100 - 130	yellow	50/60	4	<b>7570/12-304</b>
	200 - 250		blue	50/60	6	<b>7570/12-306</b>	0,310
	 09191E00 4 P (3 P + 1)	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
	 09196E00 5 P (3 P + N + 1)	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

STAHL







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



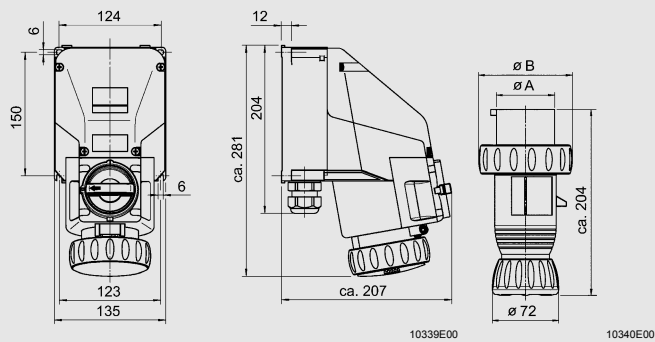
Type	A	B
7570/12-3.. 16 A, 2 P + 1	43.5	76
7570/12-4.. 16 A, 3 P + 1	49	89
7570/12-5.. 16 A, 3P + N + 1	56.5	92

**7570/11-... 3-pole 16 A Switch socket Zones 2, 22** (10338E00)  
**7570/11-... 4-pole und 5-pole 16 A Switch socket Zones 2, 22** (10333E00)  
**7570/12-... 16 A Plug Zones 2, 22** (10337E00)

**Selection Table**

Version	Number of pins	Voltage [V]	Colour	Frequency [Hz]	h	Ordering code	Weight kg
Switch socket 32 A Zones 2, 22   <small>10324E00</small>	 <small>06556E00</small> 4 P (3 P + $\frac{1}{2}$ )	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
	 <small>06555E00</small> 5 P (3 P + N + $\frac{1}{2}$ )	600 - 690	black	50/60	5	<b>7571/11-405</b>	2,000
		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
Plug 32 A Zones 2, 22   <small>10324E00</small>	 <small>09191E00</small> 4 P (3 P + $\frac{1}{2}$ )	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
	 <small>09196E00</small> 5 P (3 P + N + $\frac{1}{2}$ )	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**









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

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

Type	A	B
7571/12-4.. (32 A, 3 P + $\frac{1}{2}$ )	57	99
7571/12-5.. (32 A, 3 P + N + $\frac{1}{2}$ )	63.4	102

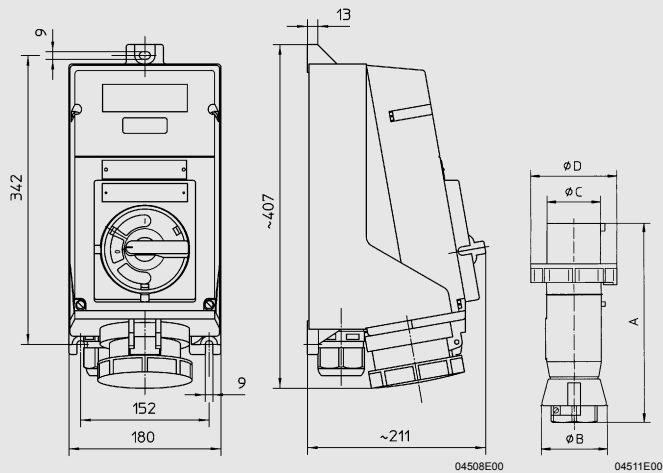


### Selection Table

Version	Number of pins	Voltage [V]	Colour	Frequency [Hz]	h	Ordering code	Weight kg
Switch socket 63 A Zones 2, 22   01679E00	 06556E00 4 P (3 P + PE)	200 - 250	blue	50/60	9	<b>7579/11-409</b>	7,600
		380 - 415	red	50/60	6	<b>7579/11-406</b>	7,600
		480 - 500	black	50/60	7	<b>7579/11-407</b>	7,600
	 06555E00 5 P (3 P + N + PE)	600 - 690	black	50/60	5	<b>7579/11-405</b>	7,600
		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>	7,800
Plug 63 A Zones 2, 22   01675E00	 09191E00 4 P (3 P + PE)	200 - 250	blue	50/60	9	<b>7579/12-409</b>	0,880
		380 - 415	red	50/60	6	<b>7579/12-406</b>	0,880
		480 - 500	black	50/60	7	<b>7579/12-407</b>	0,880
	 09196E00 5 P (3 P + N + PE)	600 - 690	black	50/60	5	<b>7579/12-405</b>	0,880
		200/346 - 240/415	red	50/60	6	<b>7579/12-506</b>	0,940
		277/480 - 288/500	black	50/60	7	<b>7579/12-507</b>	0,940



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









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-...  
63 A Switch socket  
Zones 2, 22

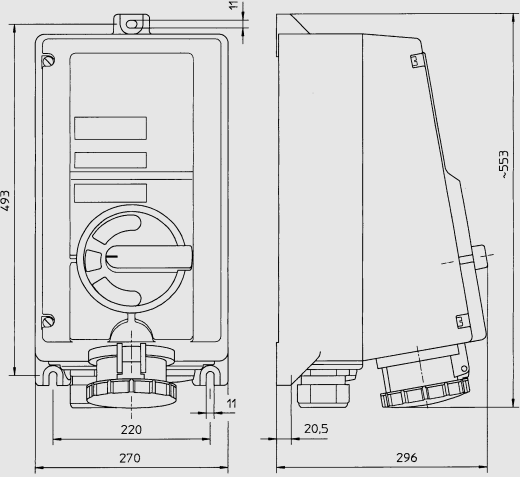
7579/12-...  
63 A Plug  
Zones 2, 22

Selection Table

Version	Number of pins	Voltage [V]	Colour	Frequency [Hz]	h	Ordering code	Weight kg
Switch socket 125 A Zones 2, 22   01678E00	 06556E00 4 P (3 P + 1)	200 - 250	blue	50/60	9	<b>7581/11-409</b>	20,800
		380 - 415	red	50/60	6	<b>7581/11-406</b>	20,800
		480 - 500	black	50/60	7	<b>7581/11-407</b>	20,800
	 06555E00 5 P (3 P + N + 1)	200/346 - 240/415	red	50/60	6	<b>7581/11-506</b>	21,400
		277/480 - 288/500	black	50/60	7	<b>7581/11-507</b>	21,400
Plug 125 A Zones 2, 22   02231E00	 09191E00 4 P (3 P + 1)	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 + 1)	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

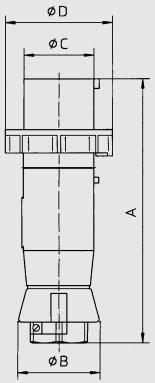


Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



04118E00

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



04512E00

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

	7581/12-4... 125 A 3 P + 1	7581/12-5... 125 A 3 P + N + 1
A	310.5	310.5
B	96.0	96.0
C	82.0	82.0
D	125	125

**Technical Data**

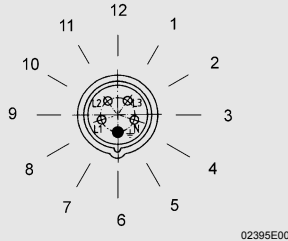
<b>Socket</b>	<b>7570/11 (16 A)</b>	<b>7571/11 (32 A)</b>
Explosion protection		
Gas explosion protection	⊕ II 3 G EEx nAC IIC T6	⊕ II 3 G EEx nAC IIC T6 or T5
Dust explosion protection	⊕ II 2 D IP 66 T95 °C, T130 °C	⊕ II 2 D IP 66 T95 °C, T130 °C
Certificates	PTB 05 ATEX 1013	PTB 05 ATEX 1012
Rated operational voltage		
Main contacts	max. 690 V AC max. 110 V DC	max. 690 V AC max. 110 V DC
Auxiliary contacts	max. 500 V AC / 110 V DC	max. 500 V AC / 110 V DC
Rated operational current		
Main contacts	16 A	32 A
Auxiliary contacts	max. 6 A	max. 6 A
Switching capacity	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 DC1    110 V    16 A 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	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
Short circuit protection		
without thermal protection	16 A gL	35 A gL
with thermal protection	35 A gL	63 A gL
Ambient temperature	- 20 °C ... + 40 °C - 50 °C ... + 55 °C on request	- 20 °C ... + 40 °C - 50 °C ... + 55 °C on request
Interlocked switch	max. 4-pole switch 2 optional auxiliary contacts (ON - delayed, OFF - advanced)	max. 4-pole switch 2 optional auxiliary contacts (ON - delayed, OFF - advanced)
Operating handle	Actuator is lockable in 0 and I position	Actuator is lockable in 0 and I position
Enclosure material	Polyamide GF30	Polyamide GF30
Ingress protection	IP 66	IP 66
Terminals	12 x 1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> single-wire, 2 x 1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> finely stranded	2 x 2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> single-wire 2 x 2.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> finely stranded
Cable entries		
Cable entries	1 x M 25 x 1.5 Cable entries are possible on the top or on the side wall (upon request)	1 x M 32 x 1.5 Cable entries are possible on the top or on the side wall (upon request)
Stopping plug	1 x M 25 x 1.5	1 x M 32 x 1.5
<b>Plug</b>	<b>7570/12</b>	<b>7571/12</b>
Further technical data	see sockets	see sockets
Enclosure material	Polyamide GF30	Polyamide GF30
Ingress protection	IP66	IP66
Terminals	1 x 1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> finely stranded	1 x 2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> finely stranded
Cable entries	8 mm ... 20 mm cable diameter	12 mm ... 28 mm cable diameter

Technical Data			
Socket	7575/13 (16 A)	7579/11 (63 A)	7581/11 (125 A)
Explosion protection	⊕ II 3 G EEx nAC IIC T6, T5	⊕ II 3 G EEx nAC IIC T6, T5, T4	⊕ II 3 G EEx nAC IIC T6, T5
Certificates	ASEV 99.1 10215.01	ASEV 99.1 10215.04	ASEV 99.1 10215.05
Rated voltage			
Main contacts	max. 415 V	max. 690 V	max. 690 V
Auxiliary contacts	--	max. 400 V AC	max. 400 V AC
Rated current			
Main contacts	16 A	63 A	125 A
Auxiliary contacts	--	max. 6 A	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	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	AC 3: 500 V 125 A  AC 23: 690 V 125 A
Back-up fuse			
without therm. protection	16 A gL/gG	63 A gL/gG	125 A gL/gG
with therm. protection	35 A gL/gG	80 A gL/gG	160 A gL/gG
Ambient temperature	- 20 °C ... + 40 °C	- 20 °C ... + 40 °C	- 20 °C ... + 40 °C
Interlocked switch	3 pole, switch with definite contacts (NC)	3 pole switch with isolating characteristics 1 auxiliary contact (ON - delayed, OFF - advanced)	3 pole switch with isolating characteristics 1 auxiliary contact (ON - delayed, OFF - advanced)
Handle	--	Actuator is lockable in 0 and I position	Actuator is lockable in 0 and I position
Enclosure material	Polyester resin	Polyester resin	Polyester resin
Degree of protection	IP 54	IP 66	IP 66
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>	1 x 35 mm <sup>2</sup> with cable lug 2 x 35 mm <sup>2</sup>	1 x 120 mm <sup>2</sup> with additional clamping saddle 2 x 120 mm <sup>2</sup>
Cable entries			
Cable gland	1 x M 25 x 1.5  Cable entries are possible on the top or on the side wall (upon request)	1 x M 50 x 1.5  Cable entries are possible on the top or on the side wall (upon request)	1 x M 63 x 1.5  Cable entries are possible on the top or on the side wall (upon request)
Stopping plug	1 x M 25 x 1.5	1 x M 25 x 1.5	1 x M 25 x 1.5; 1 x M 63 x 1.5
<b>Plug</b>	<b>7575/12</b>	<b>7579/12</b>	<b>7581/12</b>
Further technical data	see sockets	see sockets	see sockets
Enclosure material	Polyamide	Polyamide	Polyamide
Degree of protection	IP 54	IP 66	IP 66
Terminals	4 mm <sup>2</sup>	16 mm <sup>2</sup>	35 mm <sup>2</sup>
Cable entries	11 mm ... 21 mm outer diameter	24 mm ... 36 mm outer diameter	30 mm ... 50 mm outer diameter



### Arrangement of contact bushes

Example:  
Position clockwise,  
Front view of socket



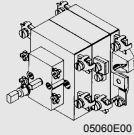
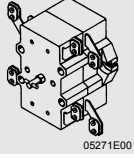


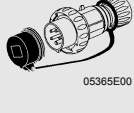
Example:  
Position clockwise



Marking of contacts  
Front view of socket



### Accessories and spare parts

Designation	Illustration	Description	Ordering code	Weight kg
Switch	 05060E00	for socket: 7579/11	<b>8543016020</b>	1,529
	 05271E00	for socket: 7581/11	<b>8548017020</b>	4,101
Auxiliary contact (retrofitable)	 10341E00	1 NO	<b>8570802760</b>	0,125
		1 NC	<b>8570801760</b>	0,125
		1 NO, gold contact	<b>8570804760</b>	0,125
		1 NC, gold contact	<b>8570803760</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>8575011660</b>	0,019
Protection cap	 05365E00	for plug 16 A      3 poles not for extra low voltage version	<b>8570001140</b>	0,043
		for plug 16 A      4 poles	<b>8570002140</b>	0,049
		for plug 16 A      5 poles	<b>8570003140</b>	0,056
		for plug 32 A      4 poles	<b>8571001140</b>	0,070
		for plug 32 A      5 poles	<b>8571002140</b>	0,077
		for plug 63 A      4/5 poles	<b>8579801140</b>	0,100
		for plug 125 A     4/5 poles	<b>8581801140</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.