

E3



10343E00

**WebCode 8570A**

- > Various versions
  - 16 A, extra-low voltage
  - 16, 32, 63, 125 A
- > Large handle, can be locked in position 0 and I
- > Clear switch position indication
- > Optimal contact by means of self-cleaning lamellar contacts
- > Low insertion and withdrawal 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



	ATEX / IECEx / GOST						Zone	NEC 505 Class I			NEC 506			Division	NEC 500					
	0	1	2	20	21	22		0	1	2	20	21	22		Class I	Class II		Class III		
8575, 8579, 8581: For use in	x	x					8575, 8579, 8581: For use in	x <sup>1)</sup>	x <sup>1)</sup>		x <sup>1)</sup>	x <sup>1)</sup>	8575, 8579, 8581: For use in	x <sup>1)</sup>	x <sup>1)</sup>		x <sup>1)</sup>	x <sup>1)</sup>		
8570, 8571: For use in		x	x		x	x	8570, 8571: For use in	x	x				8570, 8571: For use in	x	x	x	x	x		

<sup>1)</sup> Canada

**Selection Table**

Version	No. of poles	Voltage [V]	Colour code	Frequency [Hz]	h	Order number	Art. no.	PS	Weight kg
SolConeX 16 A extra-low voltage socket	2 P	20 ... 25	violet	50 and 60	--	<b>8575 / 13-100</b>	<b>151713</b>	10	0.920
				DC	10	<b>8575 / 13-110</b>	<b>151716</b>	10	0.920
	3 P	40 ... 50	light grey	50 and 60	12	<b>8575 / 13-112</b>	<b>151721</b>	10	0.920
				50 and 60	12	<b>8575 / 13-200</b>	<b>151704</b>	10	0.940
SolConeX 16 A extra-low voltage plug	2 P	20 ... 25	violet	50 and 60	--	<b>8575 / 12-100</b>	<b>151545</b>	10	0.220
				DC	10	<b>8575 / 12-110</b>	<b>151553</b>	10	0.220
	3 P	40 ... 50	light grey	50 and 60	12	<b>8575 / 12-112</b>	<b>151562</b>	10	0.220
				50 and 60	--	<b>8575 / 12-200</b>	<b>151486</b>	10	0.230
	3 P	20 ... 25	violet	50 and 60	--	<b>8575 / 12-200</b>	<b>151486</b>	10	0.230
				50 and 60	12	<b>8575 / 12-212</b>	<b>151496</b>	10	0.220

Selection Table											
Version	No. of poles	Voltage [V]	Colour code	Frequency [Hz]	h	Metal adapter	Order number	Art. no.	PS	Weight kg	
SolConeX 16 A switch socket	3 P (2 P + $\updownarrow$ )	50 ... >50	green	>300-500 <sup>1)</sup>	2	--	<b>8570/11-302</b>	<b>150594</b>	10	1.120	
		50 ... 110	light grey	DC	3	--	<b>8570/11-303</b>	<b>150590</b>	10	1.120	
		100 ... 130	yellow	50 and 60	4	--	<b>8570/11-304</b>	<b>150598</b>	10	1.120	
		200 ... 250	blue	50 and 60	6	--	<b>8570/11-306</b>	<b>150578</b>	10	1.120	
		277 ... 277	light grey	60	5	--	<b>8570/11-305</b>	<b>150582</b>	10	1.120	
		480 ... 500	black	50 and 60	7	--	<b>8570/11-307</b>	<b>150586</b>	10	1.120	
	for metal cable glands, version with earth plate										
	3 P (2 P + $\updownarrow$ )	100 ... 130	yellow	50 and 60	4	M20 x 1.5		<b>8570/11-304-S019</b>	<b>218955</b>	10	1.120
								<b>8570/11-304-S011</b>	<b>203141</b>	10	1.120
		200 ... 250	blue	50 and 60	6	M20 x 1.5		<b>8570/11-306-S019</b>	<b>214065</b>	10	1.120
								<b>8570/11-306-S011</b>	<b>203090</b>	10	1.120
	version with auxiliary contact (NO)										
	3 P (2 P + $\updownarrow$ )	200 ... 250	blue	50 and 60	6	--		<b>8570/11-306-S001</b>	<b>166609</b>	10	1.120
	4 P (3 P + $\updownarrow$ )	50 ... >50	green	100-300 <sup>1)</sup>	10	--		<b>8570/11-410</b>	<b>150570</b>	10	1.350
		200 ... 250	blue	50 and 60	9	--		<b>8570/11-409</b>	<b>150558</b>	10	1.350
		380 ... 415	red	50 and 60	6	--		<b>8570/11-406</b>	<b>150550</b>	10	1.350
		440 ... 460	red	60	11	--		<b>8570/11-411</b>	<b>150566</b>	10	1.350
		480 ... 500	black	50 and 60	7	--		<b>8570/11-407</b>	<b>150554</b>	10	1.350
		600 ... 690	black	50 and 60	5	--		<b>8570/11-405</b>	<b>150562</b>	10	1.350
	for metal cable glands, version with earth plate										
	4 P (3 P + $\updownarrow$ )	200 ... 250	blue	50 and 60	9	M20 x 1.5		<b>8570/11-409-S020</b>	<b>218959</b>	10	1.350
								<b>8570/11-406-S020</b>	<b>214066</b>	10	1.120
		380 ... 415	red	50 and 60	6	M20 x 1.5		<b>8570/11-406-S012</b>	<b>203142</b>	10	1.120
								<b>8570/11-407-S020</b>	<b>218961</b>	10	1.350
	600 ... 690	black	50 and 60	5	M20 x 1.5		<b>8570/11-405-S020</b>	<b>218962</b>	10	1.350	
	version with auxiliary contact (NO)										
4 P (3 P + $\updownarrow$ )	380 ... 415	red	50 and 60	6	--		<b>8570/11-406-S001</b>	<b>218960</b>	10	1.350	
	480 ... 500	black	50 and 60	7	--		<b>8570/11-407-S001</b>	<b>166608</b>	10	1.350	
	600 ... 690	black	50 and 60	5	--		<b>8570/11-405-S001</b>	<b>218963</b>	10	1.350	
5 P (3 P + N + $\updownarrow$ )	120 / 208 ... 144 / 250	blue	50 and 60	9	--		<b>8570/11-509</b>	<b>150518</b>	10	1.450	
	200 / 346 ... 240 / 415	red	50 and 60	6	--		<b>8570/11-506</b>	<b>150494</b>	10	1.450	
	250 / 440 ... 265 / 460	red	60	11	--		<b>8570/11-511</b>	<b>150538</b>	10	1.450	
	277 / 480 ... 288 / 500	black	50 and 60	7	--		<b>8570/11-507</b>	<b>150508</b>	10	1.450	
	347 / 600 ... 400 / 690	black	50 and 60	5	--		<b>8570/11-505</b>	<b>150527</b>	10	1.450	
for metal cable glands, version with earth plate											
5 P (3 P + N + $\updownarrow$ )	200 / 346 ... 240 / 415	red	50 and 60	6	M20 x 1.5		<b>8570/11-506-S020</b>	<b>214067</b>	10	1.120	
version with auxiliary contact (NO)											
5 P (3 P + N + $\updownarrow$ )	200 / 346 ... 240 / 415	red	50 and 60	6	--		<b>8570/11-506-S001</b>	<b>218964</b>	10	1.600	

**Selection Table**

Version	No. of poles	Voltage [V]	Colour code	Frequency [Hz]	h	Metal adapter	Order number	Art. no.	PS	Weight kg
SolConeX 16 A plug	3 P (2 P + $\updownarrow$ )	50 ... >50	green	>300-500 <sup>)</sup>	2	--	8570/12-302	150595	10	0.310
		50 ... 110	light grey	DC	3	--	8570/12-303	150591	10	0.310
		100 ... 130	yellow	50 and 60	4	--	8570/12-304	150599	10	0.420
		200 ... 250	blue	50 and 60	6	--	8570/12-306	150579	10	0.420
		277 ... 277	light grey	60	5	--	8570/12-305	150583	10	0.310
		480 ... 500	black	50 and 60	7	--	8570/12-307	150587	10	0.310
	4 P (3 P + $\updownarrow$ )	50 ... >50	green	100-300 <sup>)</sup>	10	--	8570/12-410	150571	10	0.380
		200 ... 250	blue	50 and 60	9	--	8570/12-409	150559	10	0.380
		380 ... 415	red	50 and 60	6	--	8570/12-406	150551	10	0.380
		440 ... 460	red	60	11	--	8570/12-411	150567	10	0.380
		480 ... 500	black	50 and 60	7	--	8570/12-407	150555	10	0.380
		600 ... 690	black	50 and 60	5	--	8570/12-405	150563	10	0.380
	5 P (3 P + N + $\updownarrow$ )	120 / 208... 144 / 250	blue	50 and 60	9	--	8570/12-509	150519	10	0.430
		200 / 346... 240 / 415	red	50 and 60	6	--	8570/12-506	150495	10	0.430
		250 / 440... 265 / 460	red	60	11	--	8570/12-511	150539	10	0.430
		277 / 480... 288 / 500	black	50 and 60	7	--	8570/12-507	150509	10	0.430
		347 / 600... 400 / 690	black	50 and 60	5	--	8570/12-505	150528	10	0.430

Note <sup>)</sup> for versions > 100 Hz, the nominal current is reduced to 12 A

Selection Table												
Version	No. of poles	Voltage [V]	Colour code	Frequency [Hz]	h	Metal adapter	Order number	Art. no.	PS	Weight kg		
SolConeX 32 A switch socket	4 P (3 P + $\uplus$ )	50 ... >50	green	100-300 <sup>*)</sup>	10	--	<b>8571/11-410</b>	<b>150906</b>	10	2.200		
		200 ... 250	blue	50 and 60	9	--	<b>8571/11-409</b>	<b>150898</b>	10	2.200		
		380 ... 415	red	50 and 60	6	--	<b>8571/11-406</b>	<b>150890</b>	10	2.200		
		440 ... 460	red	60	11	--	<b>8571/11-411</b>	<b>150910</b>	10	2.200		
		480 ... 500	black	50 and 60	7	--	<b>8571/11-407</b>	<b>150894</b>	10	2.200		
		600 ... 690	black	50 and 60	5	--	<b>8571/11-405</b>	<b>150902</b>	10	2.200		
	for metal cable glands, version with earth plate											
	4 P (3 P + $\uplus$ )	200 ... 250	blue	50 and 60	9	M32 x 1.5	<b>8571/11-409-S012</b>	<b>220132</b>	10	2.200		
		380 ... 415	red	50 and 60	6	M32 x 1.5	<b>8571/11-406-S012</b>	<b>214068</b>	10	2.200		
		480 ... 500	black	50 and 60	7	M32 x 1.5	<b>8571/11-407-S012</b>	<b>220133</b>	10	2.200		
		600 ... 690	black	50 and 60	5	M32 x 1.5	<b>8571/11-405-S012</b>	<b>220134</b>	10	2.200		
	version with auxiliary contact (NO)											
	4 P (3 P + $\uplus$ )	380 ... 415	red	50 and 60	6	--	<b>8571/11-406-S001</b>	<b>220135</b>	10	2.200		
		480 ... 500	black	50 and 60	7	--	<b>8571/11-407-S001</b>	<b>166610</b>	10	2.200		
		600 ... 690	black	50 and 60	5	--	<b>8571/11-405-S001</b>	<b>220136</b>	10	2.200		
	5 P (3 P + N + $\uplus$ )	120 / 208... 144 / 250	blue	50 and 60	9	--	<b>8571/11-509</b>	<b>150870</b>	10	2.200		
		200 / 346... 240 / 415	red	50 and 60	6	--	<b>8571/11-506</b>	<b>150854</b>	10	2.200		
		250 / 440... 265 / 460	red	60	11	--	<b>8571/11-511</b>	<b>150882</b>	10	2.200		
		277 / 480... 288 / 500	black	50 and 60	7	--	<b>8571/11-507</b>	<b>150863</b>	10	2.200		
		347 / 600... 400 / 690	black	50 and 60	5	--	<b>8571/11-505</b>	<b>150876</b>	10	2.200		
		for metal cable glands, version with earth plate										
5 P (3 P + N + $\uplus$ )	200 / 346... 240 / 415	red	50 and 60	6	M32 x 1.5	<b>8571/11-506-S012</b>	<b>214069</b>	10	2.200			
SolConeX 32 A plug	4 P (3 P + $\uplus$ )	50 ... >50	green	100-300 <sup>*)</sup>	10	--	<b>8571/12-410</b>	<b>150907</b>	10	0.500		
		200 ... 250	blue	50 and 60	9	--	<b>8571/12-409</b>	<b>150899</b>	10	0.500		
		380 ... 415	red	50 and 60	6	--	<b>8571/12-406</b>	<b>150891</b>	10	0.500		
		440 ... 460	red	60	11	--	<b>8571/12-411</b>	<b>150911</b>	10	0.500		
		480 ... 500	black	50 and 60	7	--	<b>8571/12-407</b>	<b>150895</b>	10	0.500		
		600 ... 690	black	50 and 60	5	--	<b>8571/12-405</b>	<b>150903</b>	10	0.500		
	5 P (3 P + N + $\uplus$ )	120 / 208... 144 / 250	blue	50 and 60	9	--	<b>8571/12-509</b>	<b>150871</b>	10	0.600		
		200 / 346... 240 / 415	red	50 and 60	6	--	<b>8571/12-506</b>	<b>150855</b>	10	0.600		
		250 / 440... 265 / 460	red	60	11	--	<b>8571/12-511</b>	<b>150883</b>	10	0.600		
		277 / 480... 288 / 500	black	50 and 60	7	--	<b>8571/12-507</b>	<b>150864</b>	10	0.600		
		347 / 600... 400 / 690	black	50 and 60	5	--	<b>8571/12-505</b>	<b>150877</b>	10	0.600		
		Note										
		*) for versions > 100 Hz, the nominal current is reduced to 25 A										

E3

**Selection Table**

Version	No. of poles	Voltage [V]	Colour code	Frequency [Hz]	h	Metal adapter	Order number	Art. no.	PS	Weight kg		
SolConeX 63 A switch socket	4 P (3 P + $\updownarrow$ )	200 ... 250	blue	50 and 60	9	---	<b>8579/31-409</b>	<b>201391</b>	10	7.800		
		380 ... 415	red	50 and 60	6	---	<b>8579/31-406</b>	<b>201389</b>	10	7.800		
		440 ... 460	red	60	11	---	<b>8579/31-411</b>	<b>202026</b>	10	7.800		
		480 ... 500	black	50 and 60	7	---	<b>8579/31-407</b>	<b>201390</b>	10	7.800		
		600 ... 690	black	50 and 60	5	---	<b>8579/31-405</b>	<b>201388</b>	10	7.800		
	For metal cable glands, versions with metal adapter											
	4 P (3 P + $\updownarrow$ )	200 ... 250	blue	50 and 60	9	2 x	M40 x 1.5	<b>8579/31-409-S004</b>	<b>219838</b>	10	7.800	
							M32 x 1.5	<b>8579/31-406-S008</b>	<b>203498</b>	10	7.800	
			M40 x 1.5	<b>8579/31-406-S001</b>	<b>203494</b>	10	7.800					
		480 ... 500	black	50 and 60	7	2 x	M40 x 1.5	<b>8579/31-406-S004</b>	<b>214071</b>	10	7.800	
							M50 x 1.5	<b>8579/31-406-S002</b>	<b>203496</b>	10	7.800	
			black	50 and 60	5	2 x	M40 x 1.5	<b>8579/31-407-S004</b>	<b>219840</b>	10	7.800	
	600 ... 690	black	50 and 60	5	2 x	M40 x 1.5	<b>8579/31-405-S004</b>	<b>219841</b>	10	7.800		
	For metal cable glands, versions with metal adapter and earth connection*											
	4 P (3 P + $\updownarrow$ )	380 ... 415	red	50 and 60	6	M32 x 1.5	M40 x 1.5	<b>8579/31-406-S009</b>	<b>203500</b>	10	7.800	
							M40 x 1.5	<b>8579/31-406-S010</b>	<b>203487</b>	10	7.800	
							M50 x 1.5	<b>8579/31-406-S011</b>	<b>203489</b>	10	7.800	
	5 P (3 P + N + $\updownarrow$ )	120 / 208 ... 144 / 250	blue	50 and 60	9	---	---	<b>8579/31-509</b>	<b>203511</b>	10	7.800	
								<b>8579/31-506</b>	<b>201386</b>	10	7.800	
		200 / 346 ... 240 / 415	red	50 and 60	6	---	---	---	<b>8579/31-507</b>	<b>201387</b>	10	7.800
									<b>8579/31-511</b>	<b>203512</b>	10	7.800
		277 / 480 ... 288 / 500	black	50 and 60	7	---	---	---	<b>8579/31-505</b>	<b>203490</b>	10	7.800
									<b>8579/31-505</b>	<b>203490</b>	10	7.800
	For metal cable glands, versions with metal adapter											
	5 P (3 P + N + $\updownarrow$ )	200 / 346 ... 240 / 415	red	50 and 60	6	M32 x 1.5	M40 x 1.5	<b>8579/31-506-S008</b>	<b>203497</b>	10	7.800	
M40 x 1.5							<b>8579/31-506-S001</b>	<b>203493</b>	10	7.800		
2 x M40 x 1.5							<b>8579/31-506-S004</b>	<b>219843</b>	10	7.800		
M50 x 1.5							<b>8579/31-506-S002</b>	<b>203495</b>	10	7.800		
For metal cable glands, versions with metal adapter and earth connection*												
5 P (3 P + N + $\updownarrow$ )	200 / 346 ... 240 / 415	red	50 and 60	6	M32 x 1.5	M40 x 1.5	<b>8579/31-506-S009</b>	<b>203499</b>	10	7.800		
						M40 x 1.5	<b>8579/31-506-S010</b>	<b>203501</b>	10	7.800		
						M50 x 1.5	<b>8579/31-506-S011</b>	<b>203488</b>	10	7.800		
SolConeX 63 A plug	4 P (3 P + $\updownarrow$ )	200 ... 250	blue	50 and 60	9	---	<b>8579/12-409</b>	<b>153042</b>	10	0.880		
		380 ... 415	red	50 and 60	6	---	<b>8579/12-406</b>	<b>153029</b>	10	0.880		
		440 ... 460	red	60	11	---	<b>8579/12-411</b>	<b>203781</b>	10	0.940		
		480 ... 500	black	50 and 60	7	---	<b>8579/12-407</b>	<b>153037</b>	10	0.880		
		600 ... 690	black	50 and 60	5	---	<b>8579/12-405</b>	<b>153023</b>	10	0.880		
	5 P (3 P + N + $\updownarrow$ )	120 / 208 ... 144 / 250	blue	50 and 60	9	---	---	<b>8579/12-509</b>	<b>203783</b>	99	0.940	
								<b>8579/12-506</b>	<b>152971</b>	10	0.940	
		200 / 346 ... 240 / 415	red	50 and 60	6	---	---	---	<b>8579/12-511</b>	<b>203784</b>	99	0.940
									<b>8579/12-507</b>	<b>152980</b>	10	0.940
		277 / 480 ... 288 / 500	black	50 and 60	7	---	---	---	<b>8579/12-505</b>	<b>203782</b>	99	0.940
									<b>8579/12-505</b>	<b>203782</b>	99	0.940
347 / 600 ... 400 / 690	black	50 and 60	5	---	---	<b>8579/12-505</b>	<b>203782</b>	99	0.940			

Note \* Earth connection outside on the enclosure 70 m<sup>2</sup>

Selection Table											
Version	No. of poles	Voltage [V]	Colour code	Frequency [Hz]	h	Metal adapter	Order number	Art. no.	PS	Weight kg	
SolConeX 125 A switch socket	4 P (3 P + $\uplus$ )	200 ... 250	blue	50 and 60	9	--	<b>8581/31-409</b>	<b>206789</b>	10	21.400	
		380 ... 415	red	50 and 60	6	--	<b>8581/31-406</b>	<b>206787</b>	10	21.400	
		480 ... 500	black	50 and 60	7	--	<b>8581/31-407</b>	<b>206788</b>	10	21.400	
	For metal cable glands, versions with metal adapter										
	4 P (3 P + $\uplus$ )	200 ... 250	blue	50 and 60	9	2 x M50 x 1.5	<b>8581/31-409-S011</b>	<b>220118</b>	10	21.400	
		380 ... 415	red	50 and 60	6	2 x M50 x 1.5	<b>8581/31-406-S011</b>	<b>220117</b>	10	21.400	
		480 ... 500	black	50 and 60	7	2 x M50 x 1.5	<b>8581/31-407-S011</b>	<b>220119</b>	10	21.400	
		600 ... 690	black	50 and 60	5	2 x M50 x 1.5	<b>8581/31-405-S011</b>	<b>220120</b>	10	21.400	
	5 P (3 P + N + $\uplus$ )	200 / 346... 240 / 415	red	50 and 60	6	--	<b>8581/31-506</b>	<b>206784</b>	10	21.400	
		277 / 480... 288 / 500	black	50 and 60	7	--	<b>8581/31-507</b>	<b>206786</b>	10	21.400	
		For metal cable glands, versions with metal adapter									
	5 P (3 P + N + $\uplus$ )	200 / 346... 240 / 415	red	50 and 60	6	2 x M50 x 1.5	<b>8581/31-506-S011</b>	<b>220121</b>	10	21.400	
SolConeX 125 A plug	4 P (3 P + $\uplus$ )	200 ... 250	blue	50 and 60	9	--	<b>8581/12-409</b>	<b>153527</b>	10	1.280	
		380 ... 415	red	50 and 60	6	--	<b>8581/12-406</b>	<b>153514</b>	10	1.280	
		480 ... 500	black	50 and 60	7	--	<b>8581/12-407</b>	<b>153521</b>	10	1.280	
	5 P (3 P + N + $\uplus$ )	200 / 346... 240 / 415	red	50 and 60	6	--	<b>8581/12-506</b>	<b>153470</b>	10	1.380	
		277 / 480... 288 / 500	black	50 and 60	7	--	<b>8581/12-507</b>	<b>153476</b>	10	1.380	

Technical Data		
Device version	SolConeX 16 A extra-low voltage 8575/13	SolConeX 16 A 8570/11
Explosion protection Global (IECEx) Gas and dust	--	IECEx PTB 05.0023 Ex de IIC T6 (Ta = - 30 ... + 55 °C) with intrinsically safe auxiliary contacts: Ex de [ia] IIC T6 (Ta = - 30 ... + 55 °C) Ex tD A21 IP66 T80°C (Ta = - 30 ... + 55 °C)
Europe (ATEX) Gas and dust	PTB 01 ATEX 1044 Ⓢ II 2 G Ex de IIC T6 (Ta = - 30 ... + 45 °C)	PTB 03 ATEX 1227 Ⓢ II 2 G Ex de IIC T6 (Ta = - 30 ... + 55 °C) with intrinsically safe auxiliary contacts: Ⓢ II 2 G Ex de [ia] IIC T6 (Ta = - 30 ... + 55 °C) Ⓢ II 2 D Ex tD A21 IP66 T80°C (Ta = - 30 ... + 55 °C)
Certificates and approvals Certificates	ATEX, Brazil (UL do Brasil), China (CQST Ex), Kazakhstan (GOST-K), Russia (GOST-R), Ukraine (GOST-U), Belarus (GOST-B)	IECEx, ATEX, Brazil (UL do Brasil), China (CQST Ex), India (PESO), Kazakhstan (GOST-K), Korea (KGS), Russia (GOST-R), Ukraine (GOST-U), Belarus (GOST-B)
Other approvals	--	Ship approval (GL)
Rated operational voltage Main contacts	-- max. 50 V	max. 690 V AC max. 110 V DC
Rated operational current Main contacts	16 A	16 A
Connection terminal	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 entries Cable gland	1 x M25 x 1.5 (positioning on the top or at the side, according to the order)	1 x M25 x 1.5 (positioning on the top or at the side, according to the order)
Stopping plug Socket	1 x M25 x 1.5	1 x M25 x 1.5
Degree of protection	IP54 acc. to IEC/EN 60529	IP66 acc. to IEC/EN 60529
Plug Degree of protection	IP54 acc. to IEC/EN 60529	IP66 acc. to IEC/EN 60529

E3

Technical Data		
Device version	SolConeX 32 A 8571/11	SolConeX 63 A 8579/31
Explosion protection Global (IECEX) Gas and dust	IECEX PTB 05.0024 Ex de IIC T6 (Ta = - 30 ... + 40 °C) Ex de IIC T5 (Ta = - 30 ... + 55 °C) with intrinsically safe auxiliary contacts: Ex de [ia] IIC T6 (Ta = - 30 ... + 40 °C) Ex de [ia] IIC T5 (Ta = - 30 ... + 55 °C) Ex tD A21 IP66 T75°C (Ta = - 30 ... + 40 °C) Ex tD A21 IP66 T60°C (Ta = - 30 ... + 55 °C)	IECEX PTB 06.0020 Ex de IIC T6 (Ta = - 30 ... + 40 °C) Ex de IIC T5 (Ta = - 30 ... + 55 °C) with intrinsically safe auxiliary contacts: Ex de [ib] IIC T6 (Ta = - 30 ... + 40 °C) Ex de [ib] IIC T5 (Ta = - 30 ... + 55 °C) Ex tD A21 IP66 T60 °C (Ta = - 30 ... + 40 °C) Ex tD A21 IP66 T75 °C (Ta = - 30 ... + 55 °C)
Europe (ATEX) Gas and dust	PTB 04 ATEX 1060 Ⓢ II 2 G Ex ed IIC T6 (Ta = - 30 ... + 40 °C) Ⓢ II 2 G Ex ed IIC T5 (Ta = - 30 ... + 55 °C) with intrinsically safe auxiliary contacts: Ⓢ II 2 G Ex ed [ia] IIC T6 (Ta = - 30 ... + 40 °C) Ⓢ II 2 G Ex ed [ia] IIC T5 (Ta = - 30 ... + 55 °C) Ⓢ II 2 D Ex tD A21 IP66 T75°C (Ta = - 30 ... + 40 °C) Ⓢ II 2 D Ex tD A21 IP66 T60°C (Ta = - 30 ... + 55 °C)	PTB 01 ATEX 1150 Ⓢ II 2 G Ex de IIC T6 (Ta = - 30 ... + 40 °C) Ⓢ II 2 G Ex de IIC T5 (Ta = - 30 ... + 55 °C) with intrinsically safe auxiliary contacts: Ⓢ II 2 G Ex de [ib] IIC T6 (Ta = - 30 ... + 40 °C) Ⓢ II 2 G Ex de [ib] IIC T5 (Ta = - 30 ... + 55 °C) Ⓢ II 2 D Ex tD A21 IP66 T60°C (Ta = - 30 ... + 40°C) Ⓢ II 2 D Ex tD A21 IP66 T75°C (Ta = - 30 ... + 55°C)
Certificates and approvals Certificates	IECEX, ATEX, Brazil (UL do Brasil), China (CQST Ex), India (PESO), Kazakhstan (GOST-K), Korea (KGS), Russia (GOST-R), Ukraine (GOST-U), Belarus (GOST-B)	IECEX, ATEX, China (CQST Ex), India (PESO), Canada (CSA), Russia (GOST-R), Ukraine (GOST-U), Belarus (GOST-B)
Other approvals	Ship approval (GL)	--
Rated operational voltage Main contacts	max. 690 V AC max. 110 V DC	max. 690 V
Rated operational current Main contacts	32 A	63 A
Connection cross-section Main contacts	2 x 2.5 ... 10 mm <sup>2</sup> solid, 2 x 2.5 ... 6 mm <sup>2</sup> finely stranded	16 ... 50 mm <sup>2</sup> , finely stranded / stranded
Cable entries Cable gland	1 x M32 x 1.5 (positioning on the top or at the side, according to the order)	1 x M50 x 1.5, cable dia. range 23 ... 35 mm (positioning on the top or at the side, according to the order)
Stopping plug	1 x M32 x 1.5	1 x M25 x 1.5
Socket		
Degree of protection	IP66 acc. to IEC/EN 60529	IP66 acc. to IEC/EN 60529
Plug		
Degree of protection	IP66 acc. to IEC/EN 60529	IP66 acc. to IEC/EN 60529

Technical Data		
Device version	SolConeX 125 A 8581/31	
Explosion protection Global (IECEX) Gas and dust	IECEX PTB 06.0034 Ex de IIC T6 (Ta = - 30 ... + 40 °C) Ex de IIC T5 (Ta = - 30 ... + 50 °C) with intrinsically safe auxiliary contacts: Ex de [ib] IIC T6 (Ta = - 30 ... + 40 °C) Ex de [ib] IIC T5 (Ta = - 30 ... + 50 °C) Ex tD A21 IP66 T65 °C (Ta = - 30 ... + 40 °C) Ex tD A21 IP66 T75 °C (Ta = - 30 ... + 50 °C)	
Europe (ATEX) Gas and dust	PTB 01 ATEX 1161 Ⓢ II 2 G Ex de IIC T6 (Ta = - 30 ... + 40 °C) Ⓢ II 2 G Ex de IIC T5 (Ta = - 30 ... + 50 °C) with intrinsically safe auxiliary contacts: Ⓢ II 2 G Ex de [ib] IIC T6 (Ta = - 30 ... + 40 °C) Ⓢ II 2 G Ex de [ib] IIC T5 (Ta = - 30 ... + 50 °C) Ⓢ II 2 D Ex tD A21 IP66 T65 °C (Ta = - 30 ... + 40 °C) Ⓢ II 2 D Ex tD A21 IP66 T75 °C (Ta = - 30 ... + 50 °C)	
Certificates and approvals Certificates	IECEX, ATEX	
Rated operational voltage Main contacts	max. 690 V	
Rated operational current Main contacts	max. 125 A	
Connection cross-section Main contacts	35 ... 150 mm <sup>2</sup> (AWG 2/0 ... 300 kcmil) stranded, 50 ... 150 mm <sup>2</sup> (AWG 1/0 ... 300 kcmil) finely stranded	
Single conductor connection	35 ... 150 mm <sup>2</sup> (AWG 2/0 ... 300 kcmil) stranded 50 ... 150 mm <sup>2</sup> (AWG 1/0 ... 300 kcmil) finely stranded	
Multiple conductor connection	2 x 35 mm <sup>2</sup> ... 2 x 50 mm <sup>2</sup> (2 x AWG 2 ... 2 x AWG 1/0)	

Technical Data	
Device version	SolConeX 125 A 8581/31
Cable entries	
Cable gland	1 x M63 x 1.5 (lateral positioning acc. to order possible)
Stopping plug	1 x M25 x 1.5, 1 x M63 x 1.5
Socket	
Degree of protection	IP66 acc. to IEC/EN 60529
Plug	
Degree of protection	IP66 acc. to IEC/EN 60529

Accessories and Spare Parts					
Designation	Illustration	Description	Art. no.	PS	Weight kg
Protective cap		for plug 16 A            3 pole not for extra-low voltage version	<b>150496</b>	10	0.043
		for plug 16 A            4 pole	<b>150510</b>	10	0.049
		for plug 16 A            5 pole	<b>150520</b>	10	0.056
		for plug 32 A            4 pole	<b>150856</b>	10	0.070
		for plug 32 A            5 pole	<b>150865</b>	10	0.077
		for plug 63 A            4/5 poles	<b>153261</b>	10	0.100
		for plug 125 A           4/5 poles	<b>153730</b>	10	0.120

### Arrangement of Earth Contact Sockets

Example:  
Clock hour position,  
Front view of socket

02395E00

Example:  
Clock hour position

06190E00  
230 V = 6 h

Marking of connections  
Front view of socket

06190E00      06556E00      06555E00

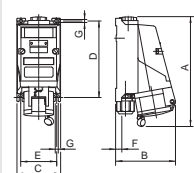
2 P +  $\perp$       3 P +  $\perp$       3 P + N +  $\perp$   
16 A            16 ... 125 A      16 ... 125 A

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

03431E00

03476E00

#### SolConeX 8579/31, 8581/31 switch socket



Socket	A	B	C	D	E	F	G
8575/13-... (16 A)	200	110	80	140	66	11	5,5
8570/11-... 3-pole (16 A)	232	168	105	115	93	12	6
8570/11-... 4-/5-pole (32 A)	248	181	115	125	103	12	6
8571/11-... (32 A)	281	207	135	150	123	12	6
04118E00 8579/31-... (63 A)	407	211	180	342	152	13	9
8581/31-... (125 A)	553	296	270	493	220	20,5	11

#### SolConeX 8575/13 socket