

# Power Cord with Locking System for Inlet Filters IL13, IL13P, IL19



- Locking system for standardized IEC C14/C20 inlet filter
- No accidental disconnection
- Rated current up to 10 A (C13 plug), up to 15 A (C13P plug), and up to 20 A (C19 plug)
- Fits any Schaffner IEC C14/C20 inlet filter
- Retrofit for any IEC C14/C20 inlet
- Various power line plugs for international usage



## Approvals & Compliances



The locking system has a tensile force of typical 200N. It is recommended to use it with flange mount filters. For details refer to our Application Note "Using IEC Lock Power Cords with IEC Inlets and Filters"

Schaffner power cords with IEC lock guard against accidental disconnection of all electrical appliances with an IEC inlet. No exchange or modification of the IEC inlet or IEC inlet filter system is needed. Easy retrofit for all electronic equipments and devices.

## Features and Benefits

- Power cord with locking system for IEC inlets
- Protection class I (IL13, IL13P)
- Suitable for use with any C14 IEC inlet (IL13, IL13P) and C20 IEC inlet (IL19)
- Fits the complete Schaffner IEC inlet filter program with C14 IEC inlet and C20 IEC inlet (IL19)
- Max. pin temperature 70°C
- New DUAL locking cord

## Typical Applications

- Data centers
- Industrial equipment
- Medical devices
- In-vitro diagnostic devices
- Broadcasting stations
- Mobile applications

## Technical Specifications IL13 / IL13P

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Rated currents	10 A for C13 plug, 15 A for C13P plug
High potential test voltage	P-> PE 2000 VAC (1 min 50 Hz) P-> N 2000 VAC (1 min 50 Hz)
Protection category	IP 20 according IEC 60529
Temperature range (operation and storage)	-25°C to +70°C
Connector (load side)	IEC C13 according to IEC/EN 60320-2-2 with IEC Lock UL 498, CSA C22.2 no. 42 (for cold conditions) pin temp. 70°C, up to 15 A, Protection Class I
Connector (line side) and cables	Please refer to table on page 2 and 3
Flammability corresponding to	Plugs: UL 94 V-2 or better; Cable: IEC 60332-1 Cat. F2

## Technical Specifications IL19

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Rated currents	16 A (IEC), 20 A (UL)
Operating frequency	50 to 400 Hz
High potential test voltage	P-> PE 2000 VAC (1 min 50 Hz) P-> N 2000 VAC (1 min 50 Hz)
Protection category	IP 20 according IEC 60529
Temperature range (operation and storage)	-25°C to +70°C
Connector (load side)	IEC C19 according to IEC/EN 60320-2-2 with IEC lock, UL 498, CSA C22.2 no. 42 (for cold conditions) pin temp. 70°C, up to 20 A, Protection Class I
Connector (line side) and cables	please refer to table on page 4
Flammability corresponding to	Plugs: UL 94 V-2 or better; Cable: IEC 60332-1 Cat. F2

### Cable Selection Table IL13

<b>IL13-C14-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, EU version
<b>IL13-C14-SVT-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, US version
<b>IL13-CH1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, CH version
<b>IL13-EU1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, EU version
<b>IL13-JP1-HVCTF-3125-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, JP version
<b>IL13-SE-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, stripped ends
<b>IL13-UK1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, UK version
<b>IL13-US1-SVT-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, US version
<b>IL13-US2-SJT-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, US version, hospital grade

To compile a complete part number, please replace the X\* with the required length (please refer to table below for available length per cable type):  
 - X\* options = 200, 300, 400, 500 or 1000 cm; 183, 275 or 366 cm (6, 9 or 12 feet)

### Available Combinations IL13

To compile a complete part number exchange the letters (IL13-yyy-zzz-aaa-bbb-c) with the data from the table below.

Load side IL13		Line side plug		Cable type		Cable core	Rating	Cable length*		Cable color		Cert.	
IL13		yyy		zzz		aaaa		bbb		c			
IL13	IEC C13 Female plug, straight, lock	C14 AU1 CH1 EU1 EU2 IT1 IL1 KC1 SA1 SE UK1 UK2	IEC C14, male, straight	H05VV-F	H05	3x1.00mm <sup>2</sup>	3100	250VAC 10A	6 feet	183	Black Blue Orange Red White	- B O R W	CB KC KEMA SAA
			Australian plug 3 pins						200 cm	200			
			SEV1011, straight						9 feet	275			
			CEE 7/VI, right angled						300 cm	300			
			CEE 7/VI, straight						12 feet	366			
			Italian Plug						400 cm	400			
			Israel Plug						500 cm	500			
			Korean Plug						1000 cm	1000			
			South African Plug										
			Stripped Ends										
			BS1363, right angled fused 5A										
			BS1363, right angled fused 10A										
			IL13						IEC C13 Female plug, straight, lock	C14 JP1 SE			
Japanese Plug JIS C8303 insulated sleeves	200 cm	200											
Stripped Ends	300 cm	300											
	400 cm	400											
	500 cm	500											
IL13	IEC C13 Female plug, straight, lock	C14 SE US1 US2	IEC C14, male, straight	SJT SVT	SJT SVT	AWG 18 AWG 16 AWG 14	3100 3130 3160	125VAC 10A 13A 15A	6 feet	183	Black Blue Orange Red White	- B O R W	UL cUL
			Stripped Ends						200 cm	200			
			NEMA5-15, straight						9 feet	275			
			NEMA5-15, straight, hospital grade						300 cm	300			
									12 feet	366			
									400 cm	400			
IL13	IEC C13 Female plug, straight, lock	C14 CN1 SE	IEC C14, male, straight	RVV	RVV	3x1.00mm <sup>2</sup>	3100	250VAC 10A	200 cm	200	Black Blue Orange Red White	- B O R W	CCC
			Chinese plug										
			Stripped Ends										
IL13	IEC C13 Female plug, straight, lock	C14 IN1 SE	IEC C14, male, straight	BIS 694 1000V	BIS694	3x1.00mm <sup>2</sup>	3100	250VAC 10A	200 cm	200	Black Blue Orange Red White	- B O R W	CB
			Indian plug 3 Pin										
			Stripped Ends										

\*feet values are calculated to the matching length in cm

### Cable Selection Table IL13P

<b>IL13P-C14-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, EU version
<b>IL13P-CH1-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, CH version
<b>IL13P-EU1-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, EU version
<b>IL13P-JP1-HVCTF-3125-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, JP version
<b>IL13P-SE-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, stripped ends
<b>IL13P-UK1-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, UK version
<b>IL13P-US1-SJT-3160-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, US version
<b>IL13P-S-C14-UC-3100-X*</b>	IEC SLIMLINE cable assembly with locking system + for IEC C14 inlet

To compile a complete part number, please replace the X\* with the required length (please refer to table below for available length per cable type):  
 - X\* options = 200, 300, 400, 500 or 1000 cm; 183, 275 or 366 cm (6, 9 or 12 feet)

### Available Combinations IL13P

To compile a complete part number exchange the letters (IL13P-yyy-zzz-aaaa-bbb-c) with the data from the table below.

Load side IL13P		Line side plug	Cable type	Cable core	Rating	Cable length*		Cable color	Cert.																													
IL13P		yyy	zzz	aaaa		bbb	c																															
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	H05VV-F	H05	3x1.00mm <sup>2</sup>	3100	250VAC	10A	6 feet	183	Black	-	CB																								
		Australian plug 3 pins	AU1												200 cm	200	Blue	B																				
		SEV1011, straight	CH1																9 feet	275	Orange	O																
		CEE 7/VII, right angled	EU1																				300 cm	300	Red	R												
		CEE 7/VII, straight	EU2																								12 feet	366	White	W								
		Italian Plug	IT1																												400 cm	400	KEMA	SAA				
		Israel Plug	IL1																																500 cm	500		
		Korean Plug	KC1																																		1000 cm	1000
		South African Plug	SA1																																			
		Stripped Ends	SE																																			
		BS1363, right angled fused 5A	UK1																																			
		BS1363, right angled fused 10A	UK2																																			
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	HVCTF	HVCTF	3x1.25mm <sup>2</sup>	3125	125VAC	12A	100 cm	100	Black	-	PSE																								
		Japanese Plug JIS C8303 insulated sleeves	C14												3x2.00mm <sup>2</sup>	3200	15A	200 cm																				
		Stripped Ends	JP1																300 cm	300	Orange	O																
			SE																				400 cm	400	Red	R												
		500 cm	500	White	W																																	
IL13P	IEC C13 + Female plug, straight, lock					IEC C14, male, straight	C14	SJT	SJT	AWG 18	3100	125VAC	10A	6 feet	183	Black	-	UL																				
						Stripped Ends	SE												SJT	SVT	AWG 16	3130					13A	9 feet	275	Blue	B							
						NEMA5-15, straight	US1																AWG 14	3160	15A	300 cm						300	Orange	O				
		NEMA5-15, straight, hospital grade	US2	400 cm	400	Red	R																															
		500 cm	500					White	W																													
										1000 cm	1000																											
IL13P	IEC C13 + Female plug, straight, lock											IEC C14, male, straight	C14	RVV	RVV	3x1.00mm <sup>2</sup>	3100	250VAC	10A	200 cm	200	Black	-	CCC														
				Chinese plug	CN1	200 cm	200					Blue	B																									
		Stripped Ends	SE	300 cm	300			Orange	O																													
										400 cm	400														Red	R												
		500 cm	500											White	W																							
IL13P	IEC C13 + Female plug, straight, lock					IEC C14, male, straight	C14					BIS 694	BIS694			3x1.00mm <sup>2</sup>	3100	250VAC	10A	200 cm	200	Black	-	CB														
				Indian plug 3 Pin	IN1	200 cm	200	Blue	B																													
				Stripped Ends	SE					300 cm	300														Orange	O												
				400 cm	400									Red	R																							
		500 cm	500									White	W																									
IL13P-S	IEC C13 + DUAL Locking Female plug, straight, lock					IEC C14 dual locking, male, straight	C14	H05VV-F	UC							3x1.00mm <sup>2</sup>	3100	250VAC	10A	50 cm	50	Black	-	ENEC														
										100 cm	100									Blue	B	cUL																
						150 cm	150			Red	R			SAA																								
				200 cm	200	White	W																															
				250 cm	250																																	
		300 cm	300																																			

\*feet values are calculated to the matching length in cm

### New DUAL Locking Version IL13P-S



Locking functionality on both ends of the cord

### Cable Selection Table IL19

<b>IL19-C20-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, EU version
<b>IL19-C20-SJT-3160-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, US version
<b>IL19-EU1-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, EU version
<b>IL19-SE-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, stripped ends
<b>IL19-UK1-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, UK version
<b>IL19-US1-SJT-3160-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, US version

To compile a complete part number, please replace the X\* with the required length (please refer to table below for available length per cable type):

- X\* options = 200, 300, 400, 500 or 1000 cm; 183, 275 or 366 cm (6, 9 or 12 feet)

### Available Combinations IL19

To compile a complete part number exchange the letters (IL19-yyy-zzz-aaaa-bbb-c) with the data from the table below.

Load side IL19		Line side plug	Cable type		Cable core		Rating*	Cable length**		Cable color		Cert.	
IL19		yyy	zzz		aaaa			bbb	c				
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight	C20	H05VV-F	H05	3x1.50mm <sup>2</sup>	3150	6 feet	183	Black Blue Orange Red White	- B O R W	CB KEMA SAA	
		Australian plug 3 pins	AU1					15A	200 cm				200
		SEV1011, straight	CH1					16A	9 feet				275
		CEE 7/VII, right angled or straight	EU1					16A	300 cm				300
		Italian Plug	IT1					16A	12 feet				366
		South Africa plug	SA1					16A	400 cm				400
		Stripped Ends	SE					16A	500 cm				500
		BS1363, right angled fused 13A	UK1					13A	1000 cm				1000
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight	C20	HVCTF	HVCTF	3x2.00mm <sup>2</sup>	3200	15A	100 cm	100	Black Blue Orange Red White	- B O R W	PSE
		Japanese Plug JIS C8303 insulated sleeves	JP1					200 cm	200				
		Stripped Ends	SE					300 cm	300				
								400 cm	400				
								500 cm	500				
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight	C20	SJT	SJT	AWG14	3160	125V	6 feet	183	Black Blue Orange Red White	- B O R W	UL cUL
		Stripped Ends	SE					15A	200 cm	200			
		NEMAS-15, straight	US1					20A	9 feet	275			
		Nema 5-20P	US4					20A	300 cm	300			
								12 feet	366				
								400 cm	400				
		500 cm	500										
		1000 cm	1000										
IL19	IEC C19 Female plug, straight, lock	Chinese plug	CN1	RWF	RWF	3x1.50mm <sup>2</sup>	3150	16A	200 cm	200	black	-	CCC

\* if not separately mentioned 250VAC is rated voltage

\*\* feet values are calculated to the matching length in cm

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