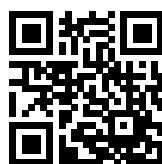


# Power Cord with Locking System for Inlet Filters IL 13, IL 13 P, IL 19



- 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 (IL 13, IL 13 P)
- Suitable for use with any C14 IEC inlet (IL 13, IL 13 P) and C20 IEC inlet (IL 19)
- Fits the complete Schaffner IEC inlet filter program with C14 IEC inlet and C20 IEC inlet (IL 19)
- Max. pin temperature 70°C

## Typical Applications

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

## Technical Specifications IL 13/IL 13 P

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 IL 19

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 IL 13

<b>IL 13-C14-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, EU version
<b>IL 13-C14-SVT-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, US version
<b>IL 13-CH1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, CH version
<b>IL 13-EU1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, EU version
<b>IL 13-JP1-HVCTF-3125-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, JP version
<b>IL 13-SE-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, stripped ends
<b>IL 13-UK1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, UK version
<b>IL 13-US1-SVT-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, US version
<b>IL 13-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 IL 13

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	IEC C14, male, straight	C14	H05VV-F	H05	3x1.00mm <sup>2</sup>	3100	250VAC	10A	Black Blue Orange Red White	- B O R W	CB KC KEMA SAA
		Australian plug 3 pins	AU1									
		SEV1011, straight	CH1									
		CEE 7/VI, right angled	EU1									
		CEE 7/VI, straight	EU2									
		Italian Plug	IT1									
		Israel Plug	IL1									
		Korean Plug	KC1									
		South African Plug	SA1									
		Stripped Ends	SE									
		BS1363, right angled fused 5A	UK1									
		BS1363, right angled fused 10A	UK2									
		IL13	IEC C13 Female plug, straight, lock									
Japanese Plug JIS C8303 insulated sleeves	JP1											
Stripped Ends	SE											
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight	C14	SJT	SJT	AWG 18	3100	125VAC	10A	Black Blue Orange Red White	- B O R W	UL cUL
		Stripped Ends	SE									
		NEMA5-15, straight	US1									
		NEMA5-15, straight, hospital grade	US2									
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight	C14	RVV	RVV	3x1.00mm <sup>2</sup>	3100	250VAC	10A	Black Blue Orange Red White	- B O R W	CCC
		Chinese plug	CN1									
		Stripped Ends	SE									
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight	C14	BIS 694 1000V	BIS694	3x1.00mm <sup>2</sup>	3100	250VAC	10A	Black Blue Orange Red White	- B O R W	CB
		Indian plug 3 Pin	IN1									
		Stripped Ends	SE									

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

### Cable Selection Table IL 13 P

<b>IL 13 P-C14-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, EU version
<b>IL 13 P-CH1-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, CH version
<b>IL 13 P-EU1-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, EU version
<b>IL 13 P-JP1-HVCTF-3125-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, JP version
<b>IL 13 P-SE-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, stripped ends
<b>IL 13 P-UK1-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, UK version
<b>IL 13 P-US1-SJT-3160-X*</b>	IEC cable assembly with locking system + for IEC C14 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 IL 13 P

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 Blue Orange Red White	- B O R W	CB KC KEMA SAA
		Australian plug 3 pins	AU1							200 cm	200			
		SEV1011, straight	CH1							9 feet	275			
		CEE 7/II, right angled	EU1							300 cm	300			
		CEE 7/II, straight	EU2							12 feet	366			
		Italian Plug	IT1							400 cm	400			
		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			
Japanese Plug JIS C8303 insulated sleeves	JP1			200 cm	200									
Stripped Ends	SE			300 cm	300									
				400 cm	400									
				500 cm	500									
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	SJT SVT	SJT SVT	AWG 18	3100	125VAC	10A	6 feet	183	Black Blue Orange Red White	- B O R W	UL cUL
		Stripped Ends	SE							200 cm	200			
		NEMA5-15, straight	US1							9 feet	275			
		NEMA5-15, straight, hospital grade	US2							300 cm	300			
										12 feet	366			
										400 cm	400			
										500 cm	500			
		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 Blue Orange Red White	- B O R W	CCC
		Chinese plug	CN1											
		Stripped Ends	SE											
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	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	IN1											
		Stripped Ends	SE											

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

## Cable Selection Table IL 19

<b>IL 19-C20-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, EU version
<b>IL 19-C20-SJT-3160-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, US version
<b>IL 19-EU1-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, EU version
<b>IL 19-SE-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, stripped ends
<b>IL 19-UK1-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, UK version
<b>IL 19-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 IL 19

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					
<b>IL19</b>	IEC C19 Female plug, straight, lock	IEC C20, male, straight	C20	H05VV-F	H05	3x1.50mm <sup>2</sup>	3150	16A	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/VI, 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				
<b>IL19</b>	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					
<b>IL19</b>	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
		Stripped Ends	SE					15A	200 cm	200				
		NEMA5-15, 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											
<b>IL19</b>	IEC C19 Female plug, straight, lock	Chinese plug	CN1	RVVF	RVVF	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

## Headquarters, Global Innovation and Development

### Switzerland

#### Schaffner Holding AG

Industrie Nord  
Nordstrasse 11e  
4542  
Luterbach  
+41 32 681 66 26  
[info@schaffner.com](mailto:info@schaffner.com)

## Sales and Application Centers

### China

#### Schaffner EMC Ltd. Shanghai

T20-3 C, No 565 Chuangye Road, Pudong district  
201201  
Shanghai  
+86 2138139500  
[cschina@schaffner.com](mailto:cschina@schaffner.com)

### Finland

#### Schaffner Oy

Sauvonrinne 19 H  
8500  
Lohja  
+358 50 468 7284  
[finlandsales@schaffner.com](mailto:finlandsales@schaffner.com)

### France

#### Schaffner EMC S.A.S.

16-20 Rue Louis Rameau  
95875  
Bezons  
+33 1 34 34 30 60  
[francesales@schaffner.com](mailto:francesales@schaffner.com)

### Germany

#### Schaffner Deutschland GmbH

Schoemperlenstrasse 12B  
76185  
Karlsruhe  
+49 721 56910  
[germanysales@schaffner.com](mailto:germanysales@schaffner.com)

### India

#### Schaffner India Pvt. Ltd

Regus World Trade Centre  
WTC, 22nd Floor Unit No 2238, Brigade Gateway Campus, 26/1, Dr. Rajkumar Road Malleshwaram (W)  
560055  
Bangalore  
+91 8067935355  
[indiasales@schaffner.com](mailto:indiasales@schaffner.com)

### Italy

#### Schaffner EMC S.r.l.

Via Ticino, 30  
20900  
Monza (MB)  
+39 039 21 41 070  
[italysales@schaffner.com](mailto:italysales@schaffner.com)

### Japan

#### Schaffner EMC K.K.

ISM Sangenjaya 7F  
1-32-12 Kamiyama, Setagaya-ku  
154-0011  
Tokyo  
+81 3 5712 3650  
[japansales@schaffner.com](mailto:japansales@schaffner.com)

### Singapore

#### Schaffner EMC Pte Ltd.

Blk 3015A Ubi Road 1, #05-09, Kampong Ubi Industrial Estate  
408705  
Singapore  
+65 63773283  
[singaporesales@schaffner.com](mailto:singaporesales@schaffner.com)

### Spain

#### Schaffner EMC España

Calle Caléndula 93, Miniparc III, Edificio E El Soto de Moraleja, Alcobendas  
28109  
Madrid  
+34 917 912 900  
[spainsales@schaffner.com](mailto:spainsales@schaffner.com)

### Sweden

#### Schaffner EMC AB

Östermalmstrorg 1  
114 42  
Stockholm  
+46 8 5050 2425  
[swedensales@schaffner.com](mailto:swedensales@schaffner.com)

### Switzerland

#### Schaffner EMV AG

Industrie Nord  
Nordstrasse 11e  
4542  
Luterbach  
+41 32 681 66 26  
[switzerlandsales@schaffner.com](mailto:switzerlandsales@schaffner.com)

### Taiwan

#### Schaffner EMV Ltd.

U-Town  
20 Floor-2, No 97, Section 1, XinTai 5th Road, XiZhi District  
22175  
New Taipei City  
+886 226975500  
[taiwansales@schaffner.com](mailto:taiwansales@schaffner.com)

### Thailand

#### Schaffner EMC Co. Ltd.

Sathorn Square Tower  
Room 3780, 37FL, 98 North-Sathorn Rd, Silom, Bangrak  
10500  
Bangkok  
+66 621056397  
[thailandsales@schaffner.com](mailto:thailandsales@schaffner.com)

### United Kingdom

#### Schaffner Ltd.

1, Oakmede Place  
Terrace Road  
RG42 4JF  
Binfield  
+44 118 9770070  
[uksales@schaffner.com](mailto:uksales@schaffner.com)

### United States

#### Schaffner EMC Inc.

52 Mayfield Avenue  
Edison, New Jersey  
+1 732 225 9533  
[usasales@schaffner.com](mailto:usasales@schaffner.com)

To find your local partner within Schaffner's global network [schaffner.com](http://schaffner.com)

© 2022 Schaffner Group

The content of this document has been carefully checked and understood. However, neither Schaffner nor its subsidiaries assume any liability whatsoever for any errors or inaccuracies of this document and the consequences thereof. Published specifications are subject to change without notice. Product suitability for any area of application must ultimately be determined by the customer. In all cases, products must never be operated outside their published specifications. Schaffner does not guarantee the availability of all published products. This disclaimer shall be governed by substantive Swiss law and resulting disputes shall be settled by the courts at the place of business of Schaffner Holding AG. Latest publications and a complete disclaimer can be downloaded from the Schaffner website. All trademarks recognized.