

## 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



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.

### Technical specifications IL 13/IL 13 P

<b>Maximum continuous operating voltage</b>	250 VAC, 50/60 Hz
<b>Rated currents</b>	10 A for C13 plug, 15 A for C13P plug
<b>High potential test voltage</b>	P→ PE 2000 VAC (1 min 50 Hz) P → N 2000 VAC (1 min 50 Hz)
<b>Protection category</b>	IP 20 according IEC 60529
<b>Temperature range (operation and storage)</b>	-25°C to +70°C
<b>Connector (load side)</b>	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
<b>Connector (line side) and cables</b>	Please refer to table on page 2 and 3
<b>Flammability corresponding to</b>	Plugs: UL 94 V-2 or better; Cable: IEC 60332-1 Cat. F2

### 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 19

<b>Maximum continuous operating voltage</b>	250 VAC, 50/60 Hz
<b>Rated currents</b>	16 A (IEC), 20 A (UL)
<b>Operating frequency</b>	50 to 400 Hz
<b>High potential test voltage</b>	P→ PE 2000 VAC (1 min 50 Hz) P → N 2000 VAC (1 min 50 Hz)
<b>Protection category</b>	IP 20 according IEC 60529
<b>Temperature range (operation and storage)</b>	-25°C to +70°C
<b>Connector (load side)</b>	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
<b>Connector (line side) and cables</b>	please refer to table on page 4
<b>Flammability corresponding to</b>	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-aaaa-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 Australian plug 3 pins SEV1011, straight CEE 7/VII, right angled or straight Italian Plug Israel Plug Korean Plug South African Plug Stripped Ends BS1363, right angled fused 5A BS1363, right angled fused 10A	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
			200 cm						200				
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Japanese Plug JIS C8303 insulated sleeves Stripped Ends	C14	HVCTF	HVCTF	3x1.25mm <sup>2</sup>	3125	125VAC 12A	100 cm	100	Black Blue Orange Red White	- B O R W	PSE
			3x2.00mm <sup>2</sup>			3200	15A	200 cm	200				
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Stripped Ends NEMAS-15, straight NEMAS-15, straight, hospital grade	C14	SJT SVT	SJT SVT	AWG 18	3100	125VAC 10A	6 feet	183	Black Blue Orange Red White	- B O R W	UL cUL
			US1			3130	13A	200 cm	200				
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Chinese plug Stripped Ends	C14	RVV	RVV	3x1.00mm <sup>2</sup>	3100	250VAC 10A	9 feet	275	Black Blue Orange Red White	- B O R W	CCC
			CN1			SE	3100	10A	200 cm	200			
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straigh Indian plug 3 Pin Stripped Ends	C14	IS 694 1000V	IS694	3x1.00mm <sup>2</sup>	3100	250VAC 10A	6 feet	183	Black Blue Orange Red White	- B O R W	CB

\*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	6 feet	183	Black	-	CB
		Australian plug 3 pins	AU1						9 feet	275			
		SEV1011, straight	CH1					12 feet	366	Orange	O	KEMA	
		CEE 7/VI, right angled or straight	EU1					400 cm	400				Red
		Italian Plug	IT1					500 cm	500	White	W		
		Israel Plug	IL1					1000 cm	1000				
		Korean Plug	KC1										
		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	100 cm	100	Black	-	PSE
		Japanese Plug JIS C8303 insulated sleeves	JP1					12A	200 cm	200			
		Stripped Ends	SE			3x2.00mm <sup>2</sup>	3200	15A	300 cm	300	Orange	O	
									400 cm	400			Red
									500 cm	500	White	W	
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	SJT	SJT	AWG 18	3100	125VAC	6 feet	183			Black
		Stripped Ends	SE					10A	200 cm	200	Blue	B	
		NEMA5-15, straight	US1	SVT	SVT	AWG 16	3130	13A	9 feet	275			Orange
		NEMA5-15, straight, hospital grade	US2			AWG 14	3160	15A	300 cm	300	Red	R	
									400 cm	400			White
									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	6 feet	183	Black	-	CCC
		Chinese plug	CN1					10A	200 cm	200			
		Stripped Ends	SE						9 feet	275	Orange	O	
									12 feet	366			Red
									400 cm	400	White	W	
									500 cm	500			
									1000 cm	1000			
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	IS 694	IS694	3x1.00mm <sup>2</sup>	3100	250VAC	6 feet	183	Black	-	CB
		Indian plug 3 Pin	IN1					10A	200 cm	200			
		Stripped Ends	SE	1000V					9 feet	275	Orange	O	
									12 feet	366			Red
									400 cm	400	White	W	
									500 cm	500			
									1000 cm	1000			

\*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			
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight	C20	H05VV-F	H05	3x1.50mm <sup>2</sup>	3150	250VAC 16A	6 feet	183	Black	-	
		Australian plug 3 pins	AU1						200 cm	200			
IL19	Female plug, straight, lock	SEV1011, straight	CH1	H05VV-F	H05	3x1.50mm <sup>2</sup>	3150	250VAC 16A	9 feet	275	Blue	B	
		CEE 7/VI, right angled or straight	EU1						300 cm	300			
		Italian Plug	IT1						12 feet	366			
		South Africa plug	SA1						300 cm	300			
		Stripped Ends	SE						400 cm	400			
		BS1363, right angled fused 10A	UK2						400 cm	400			
		BS1363, right angled fused 13A	UK3						500 cm	500			
									1000 cm	1000			
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight	C20	HVCTF	HVCTF	3x2.00mm <sup>2</sup>	3200	250VAC 20A	100 cm	100	Black	-	
IL19	Female plug, straight, lock	Japanese Plug JIS C8303 insulated sleeves	JP1						200 cm	200			
IL19	Female plug, straight, lock	Stripped Ends	SE	HVCTF	HVCTF	3x2.00mm <sup>2</sup>	3200	250VAC 20A	300 cm	300	Blue	B	
									400 cm	400			
									500 cm	500			
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight	C20	SJT	SJT	AWG14	3160	125V 15A	6 feet	183	Black	-	
		Stripped Ends	SE						200 cm	200			
IL19	Female plug, straight, lock	NEMA5-15, straight	US1	SJT	SVT	AWG12	3205	20A	9 feet	275	Blue	B	
		Nema 5-20P	US4						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	RWVF	RWVF	3x1.50mm <sup>2</sup>	3150	250V 16A	200 cm	200	black	-	CCC

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

## Mechanical data

IEC Lock C13

IEC Lock C13P

C14

IEC Lock C19

C20

Please visit [www.schaffner.com](http://www.schaffner.com) to find more details on filter connectors.



## Headquarters, global innovation and development

### Switzerland

#### Schaffner Group

Industrie Nord  
Nordstrasse 11e  
4542 Luterbach  
T +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  
T +86 21 3813 9500  
[cschina@schaffner.com](mailto:cschina@schaffner.com)  
[www.schaffner.com.cn](http://www.schaffner.com.cn)

### Finland

#### Schaffner Oy

Sauvonrinne 19 H  
08500 Lohja  
T +358 10 567 2855  
[finlandsales@schaffner.com](mailto:finlandsales@schaffner.com)

### France

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

16-20 Rue Louis Rameau  
95875 Bezons  
T +33 1 34 34 30 60  
F +33 1 39 47 02 28  
[francesales@schaffner.com](mailto:francesales@schaffner.com)

### Germany

#### Schaffner Deutschland GmbH

Schoemperlenstrasse 12B  
76185 Karlsruhe  
T +49 721 56910  
F +49 721 569110  
[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  
T +91 80 67935355  
[indiasales@schaffner.com](mailto:indiasales@schaffner.com)

### Italy

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

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

### Japan

#### Schaffner EMC K.K.

Taiju-Seimei Sangenjaya Bldg.  
1-32-12, Kamiuma, Setagaya-ku  
154-0011 Tokyo  
T +81 3 5712 3650  
F +81 3 5712 3651  
[japansales@schaffner.com](mailto:japansales@schaffner.com)  
[www.schaffner.jp](http://www.schaffner.jp)

### Singapore

#### Schaffner EMC Pte Ltd.

#05-09, Kg Ubi Ind. Estate  
408705 Singapore  
T +65 6377 3283  
F +65 6377 3281  
[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  
T +34 917 912 900  
F +34 917 912 901  
[spainsales@schaffner.com](mailto:spainsales@schaffner.com)

### Sweden

#### Schaffner EMC AB

Östermalmstorg 1  
114 42 Stockholm  
T +46 8 5050 2425  
[swedensales@schaffner.com](mailto:swedensales@schaffner.com)  
[www.schaffner.com](http://www.schaffner.com)

### Switzerland

#### Schaffner EMV AG

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

### Taiwan R.O.C.

#### Schaffner EMV Ltd.

20 Floor-2, No 97, Section 1, XinTai 5th Road  
22175 XiZhi District New Taipei City 22175  
T +886 2 2697 5500  
F +886 2 2697 5533  
[taiwansales@schaffner.com](mailto:taiwansales@schaffner.com)  
[www.schaffner.com.tw](http://www.schaffner.com.tw)

### Thailand

#### Schaffner EMC Co. Ltd.

Northern Region Industrial Estate  
67 Moo 4 Tambon Ban Klang  
Amphur Muangng P.O. Box 14  
51000 Lamphun  
T +66 53 58 11 04  
F +66 53 58 10 19  
[thailandsales@schaffner.com](mailto:thailandsales@schaffner.com)

### United Kingdom

#### Schaffner Ltd.

1, Oakmede Place  
Binfield  
RG42 4JF Berkshire  
T +44 118 9770070  
F +44 118 9792969  
[uksales@schaffner.com](mailto:uksales@schaffner.com)

### USA

#### Schaffner EMC Inc.

52 Mayfield Avenue  
Edison, New Jersey  
T +1 732 225 9533  
F +1 732 225 4789  
[usasales@schaffner.com](mailto:usasales@schaffner.com)  
[www.schaffnerusa.com](http://www.schaffnerusa.com)

#### Schaffner North America

6722 Thirlane Road  
24019 Roanoke, Virginia  
T +1 276 228 7943  
F +1 276 228 7953

#### Schaffner North America

823 Fairview Road  
24382 Wytheville, Virginia  
T +1 276 228 7943  
F +1 276 228 7258

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