

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

Maximum continuous operating voltage

Rated currents

High potential test voltage

Protection category

Temperature range (operation and storage)

Connector (load side)

Connector (line side) and cables

Flammability corresponding to

250 VAC, 50/60 Hz

10 A for C13 plug, 15 A for C13P plug

P-> PE 2000 VAC (1 min 50 Hz)

P-> N 2000 VAC (1 min 50 Hz)

IP 20 according IEC 60529

-25°C to +70°C

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

Please refer to table on page 2 and 3

Plugs: UL 94 V-2 or better; Cable: IEC 60332-1 Cat. F2

Technical specifications IL 19

Maximum continuous operating voltage

Rated currents

Operating frequency

High potential test voltage

Protection category

Temperature range (operation and storage)

Connector (load side)

Connector (line side) and cables

Flammability corresponding to

250 VAC, 50/60 Hz

16 A (IEC), 20 A (UL)

50 to 400 Hz

P-> PE 2000 VAC (1 min 50 Hz)

P-> N 2000 VAC (1 min 50 Hz)

IP 20 according IEC 60529

-25°C to +70°C

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

please refer to table on page 4

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

IL 13-C14-H05-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, EU version
IL 13-C14-SVT-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, US version
IL 13-CH1-H05-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, CH version
IL 13-EU1-H05-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, EU version
IL 13-JP1-HVCTF-3125-X*	IEC cable assembly with locking system for IEC C14 inlet, JP version
IL 13-SE-H05-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, stripped ends
IL 13-UK1-H05-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, UK version
IL 13-US1-SVT-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, US version
IL 13-US2-SJT-3100-X*	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					
IEC C13 Female plug, straight, lock	IEC C14, male, straight Australian plug 3 pins SEV1011, straight CEE 7/VI, 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									
		AU1				6 feet	183				
		CH1				200 cm	200				
		EU1				9 feet	275	Black	-		
		IT1				300 cm	300	Blue	CB		
		IL1	H05VV-F	H05	3x1.00mm ²	3100	250VAC 10A	12 feet	366	Orange	KC
		KC1						400 cm	400	Red	OR
		SA1						500 cm	500	White	SA
		SE						1000 cm	1000		W
		UK1									
UK2											
IEC C13 Female plug, straight, lock	IEC C14, male, straight Japanese plug JIS C8303 Stripped Ends	C14									
		JP1	HVCTF	HVCTF	3x1.25mm ²	3125	125VAC 12A	100 cm	100	Black	-
		SE			3x2.00mm ²	3200	15A	200 cm	200	Blue	B
								300 cm	300	Orange	OR
								400 cm	400	Red	R
IEC C13 Female plug, straight, lock	IEC C14, male, straight Stripped Ends NEMAS-15, straight NEMAS-15, straight, hospital grade	SE	SJT	SJT	AWG 18	3100	125VAC 10A	6 feet	183	Black	-
		US1	SVT	SVT	AWG 16	3130	13A	200 cm	200	Blue	B
		US2			AWG 14	3160	15A	9 feet	275	Orange	OR
								300 cm	300	Red	R
								12 feet	366	White	W
IEC C13 Female plug, straight, lock	IEC C14, male, straight Chinese plug Stripped Ends	C14									
		CN1	RVV	RVV	3x1.00mm ²	3100	250VAC 10A	400 cm	400	Black	-
		SE						500 cm	500	Blue	B
								1000 cm	1000	Orange	OR
										White	W
IEC C13 Female plug, straight, lock	IEC C14, male, straight Indian plug 3 Pin Stripped Ends	C14									
		IN1	IS 694	IS694	3x1.00mm ²	3100	250VAC 10A	200 cm	200	Black	-
		SE	1000V							Blue	B
										Orange	OR
										White	W

*feet values are calculated to the matching length in cm

Cable selection table IL 13 P

IL 13 P-C14-H05-3100-X*	IEC cable assembly with locking system + for IEC C14 inlet, EU version
IL 13 P-CH1-H05-3100-X*	IEC cable assembly with locking system + for IEC C14 inlet, CH version
IL 13 P-EU1-H05-3100-X*	IEC cable assembly with locking system + for IEC C14 inlet, EU version
IL 13 P-JP1-HVCTF-3125-X*	IEC cable assembly with locking system + for IEC C14 inlet, JP version

IL 13 P-SE-H05-3100-X*

IEC cable assembly with locking system + for IEC C14 inlet, stripped ends

IL 13 P-UK1-H05-3100-X*

IEC cable assembly with locking system + for IEC C14 inlet, UK version

IL 13 P-US1-SJT-3160-X*

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	C14	3x1.00mm ²	H05VV-F	H05	250VAC 10A	Black Blue Orange Red White	- B O R W	CB KC KEMA SAA		
		AU1								6 feet	183
		CH1								200 cm	200
		EU1								9 feet	275
		IT1								300 cm	300
		IL1								12 feet	366
		KC1								400 cm	400
		SA1								500 cm	500
		SE								1000 cm	1000
		UK1									
UK2											
IL13P	IEC C13 + Female plug, straight, lock	C14	3x1.25mm ² 3x2.00mm ²	HVCTF	HVCTF	125VAC 12A 15A	Black Blue Orange Red White	- B O R W	PSE		
		JP1								100 cm	100
		SE								200 cm	200
										300 cm	300
										400 cm	400
IL13P	IEC C13 + Female plug, straight, lock	C14	AWG 18 AWG 16 AWG 14	SJT SVT	SJT SVT	125VAC 10A 13A 15A	Black Blue Orange Red White	- B O R W	UL cUL		
		SE								200 cm	183
		US1								300 cm	200
		US2								9 feet	275
										300 cm	300
										12 feet	366
IL13P	IEC C13 + Female plug, straight, lock	C14	3x1.00mm ²	RVV	RVV	250VAC 10A	Black Blue Orange Red White	- B O R W	CCC		
		CN1								200 cm	200
		SE									
IL13P	IEC C13 + Female plug, straight, lock	C14	IS 694 1000V	IS694	IS694	250VAC 10A	Black Blue Orange Red White	- B O R W	CB		

*feet values are calculated to the matching length in cm

Cable selection table IL 19

IL 19-C20-H05-3150-X*

IEC cable assembly with locking system for IEC C20 inlet, EU version

IL 19-C20-SJT-3160-X*

IEC cable assembly with locking system for IEC C20 inlet, US version

IL 19-EU1-H05-3150-X*

IEC cable assembly with locking system for IEC C20 inlet, EU version

IL 19-SE-H05-3150-X*

IEC cable assembly with locking system for IEC C20 inlet, stripped ends

IL 19-UK1-H05-3150-X*

IEC cable assembly with locking system for IEC C20 inlet, UK version

IL 19-US1-SJT-3160-X*

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 Australian plug 3 pins SEV1011, straight CEE 7/VI, right angled or straight Italian Plug South Africa plug Stripped Ends BS1363, right angled fused 10A BS1363, right angled fused 13A	C20			250VAC 16A	6 feet	183	Black Blue Orange Red White	- B O R W	CB KEMA SAA
		AU1				200 cm	200			
		CH1				9 feet	275			
		EU1				300 cm	300			
		IT1				12 feet	366			
		SA1				400 cm	400			
		SE				500 cm	500			
		UK2				1000 cm	1000			
		UK3				100 cm	100			
		IEC C19	IEC C20, male, straight Japanese plug JIS C8303 Stripped Ends	C20						
IL19 Female plug, straight, lock		JP1			300 cm	300				
		SE			400 cm	400				
					500 cm	500				
					6 feet	183				
					200 cm	200				
IL19 IEC C19 Female plug, straight, lock	IEC C20, male, straight Stripped Ends NEMA5-15, straight Nema 5-20P	C20			125V 15A 20A	9 feet	275	Black Blue Orange Red White	- B O R W	UL cUL
		SE				300 cm	300			
		US1				12 feet	366			
		US4				400 cm	400			
						500 cm	500			
						1000 cm	1000			
IL19 IEC C19 Female plug, straight, lock	Chinese plug	CN1			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 to find more details on filter connectors.



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