

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	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

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

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

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		
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 ²	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 Stripped Ends	C14	HVCTF	HVCTF	3x1.25mm ²	3125	125VAC 12A	100 cm	100	Black Blue Orange Red White	- B O R W	PSE
			JP1			3x2.00mm ²	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	SE	SJT	SJT	AWG 18	3100	125VAC 10A	6 feet	183	Black Blue Orange Red White	- B O R W	UL cUL
			US1			AWG 16	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 ²	3100	250VAC 10A	9 feet	275	Black Blue Orange Red White	- B O R W	CCC
			CN1						AWG 14	3160			
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straigh Indian plug 3 Pin Stripped Ends	C14	IS 694	IS694	3x1.00mm ²	3100	250VAC 10A	12 feet	366	Black Blue Orange Red White	- B O R W	CB
			IN1						1000V	400 cm			
			SE						500 cm	500			
			UK2						1000 cm	1000			

*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	IEC C14, male, straight	C14	H05VV-F	H05	3x1.00mm ²	3100	250VAC	6 feet	183	Black	-	CB
		Australian plug 3 pins	AU1						9 feet	275			
		SEV1011, straight	CH1					300 cm	300	Orange	O	KEMA	
		CEE 7/VI, right angled or straight	EU1					12 feet	366				Red
		Italian Plug	IT1					400 cm	400	White	W		
		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 ² 3x2.00mm ²	3125 3200	125VAC	100 cm	100	Black	-	PSE
		Japanese plug JIS C8303	JP1					12A	200 cm	200			
		Stripped Ends	SE					15A	300 cm	300	Orange	O	R
									400 cm	400			
									500 cm	500	White	W	
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	SJT	SJT	AWG 18 AWG 16 AWG 14	3100 3130 3160	125VAC	6 feet	183			Black
		Stripped Ends	SE					10A	200 cm	200	Blue	B	
		NEMA5-15, straight	US1	SVT	SVT			13A	9 feet	275			Orange
		NEMA5-15, straight, hospital grade	US2					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 ²	3100	250VAC	200 cm	200	Black	-	CCC
		Chinese plug	CN1										
		Stripped Ends	SE		Orange	O							
							Red	R					
					White	W							
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	IS 694 1000V	IS694	3x1.00mm ²	3100	250VAC	200 cm	200	Black	-	CB
		Indian plug 3 Pin	IN1										
		Stripped Ends	SE		Orange	O							
							Red	R					
					White	W							

*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	C20	H05VV-F	H05	3x1.50mm ²	3150	250VAC 16A	6 feet	183	Black Blue Orange Red White	- B O R W	CB KEMA SAA
		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	EU1 CH1 EU1 IT1 SA1 SE UK2 UK3						200 cm	200			
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight Japanese plug JIS C8303 Stripped Ends	C20 JP1 SE	HVCTF	HVCTF	3x2.00mm ²	3200	250VAC 20A	100 cm	100	Black Blue Orange Red White	- B O R W	PSE
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight Stripped Ends NEMA5-15, straight Nema 5-20P	C20 SE US1 US4	SJT SVT	SJT SVT	AWG14 AWG12	3160 3205	125V 15A 20A	6 feet	183	Black Blue Orange Red White	- B O R W	UL cUL
IL19	IEC C19 Female plug, straight, lock	Chinese plug	CN1	RWVF	RWVF	3x1.50mm ²	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 to find more details on filter connectors.



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