

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				
			CH1					9 feet	275				
			EU1					300 cm	300				
			IT1					12 feet	366				
			IL1					400 cm	400				
			KC1					500 cm	500				
			SA1					1000 cm	1000				
			SE										
			UK1										
			UK2										
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Japanese plug JIS C8303 Stripped Ends	C14	HVCTF	HVCTF	3x1.25mm ² 3x2.00mm ²	3125 3200	125VAC 12A 15A	100 cm	100	Black Blue Orange Red White	- B O R W	PSE
			200 cm						200				
			JP1					300 cm	300				
			SE					400 cm	400				
								500 cm	500				
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Stripped Ends NEMAS-15, straight NEMAS-15, straight, hospital grade	C14	SJT	SJT	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
			200 cm						200				
			SE					9 feet	275				
			US1					300 cm	300				
			US2					12 feet	366				
								400 cm	400				
								500 cm	500				
								1000 cm	1000				
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Chinese plug Stripped Ends	C14	RVV	RVV	3x1.00mm ²	3100	250VAC 10A	200 cm	200	Black Blue Orange Red White	- B O R W	CCC
			CN1										
			SE										
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straigh Indian plug 3 Pin Stripped Ends	C14	IS 694 1000V	IS694	3x1.00mm ²	3100	250VAC 10A	200 cm	200	Black Blue Orange Red White	- B O R W	CB
			IN1										
			SE										

*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 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	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				
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Japanese plug JIS C8303 Stripped Ends	C14	HVCTF	HVCTF	3x1.25mm ²	3125	125VAC	100 cm	100	Black Blue Orange Red White	- B O R W	PSE
			JP1			3x2.00mm ²	3200	12A 15A	200 cm 300 cm 400 cm 500 cm	200 300 400 500			
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Stripped Ends NEMA5-15, straight NEMA5-15, straight, hospital grade	C14	SJT	SJT	AWG 18	3100	125VAC	6 feet	183	Black Blue Orange Red White	- B O R W	UL cUL
			SE			AWG 16	3130	10A 13A 15A	200 cm 300 cm 400 cm 500 cm 1000 cm	200 275 300 366 400 500 1000			
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Chinese plug Stripped Ends	C14	RVV	RVV	3x1.00mm ²	3100	250VAC	200 cm	200	Black Blue Orange Red White	- B O R W	CCC
			CN1					SE					
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Indian plug 3 Pin Stripped Ends	C14	IS 694 1000V	IS694	3x1.00mm ²	3100	250VAC	200 cm	200	Black Blue Orange Red White	- B O R W	CB
			IN1					SE					

*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	-
		Australian plug 3 pins	AU1						200 cm	200		
IL19	IEC C19 Female plug, straight, lock	SEV1011, straight	CH1	HVCTF	HVCTF	3x2.00mm ²	3200	250VAC 20A	9 feet	275	Blue	B
		CEE 7/VI, right angled or straight	EU1						300 cm	300		
IL19	IEC C19 Female plug, straight, lock	Italian Plug	IT1	SJT	SJT	AWG14	3160	125V 15A	12 feet	366	Orange	O
		South Africa plug	SA1						400 cm	400		
IL19	IEC C19 Female plug, straight, lock	Stripped Ends	SE	SVT	SVT	AWG12	3205	20A	500 cm	500	Red	R
		BS1363, right angled fused 10A	UK2						1000 cm	1000		
IL19	IEC C19 Female plug, straight, lock	BS1363, right angled fused 13A	UK3	RVWF	RVWF	3x1.50mm ²	3150	250V 16A	200 cm	200	black	-
		Chinese plug	CN1						200 cm	200		

*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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