



# > V-Lock

Maximize reliability of your power input



- > Cord retaining for appliance inlets and outlets acc. IEC 60320
- > 10 A and 16 A versions
- > Interconnection cord sets
- > Mains plugs for diverse countries

## V-Lock

### USP's

- > Prevents from unintentional disconnection
- > Easy to use, no additional parts
- > Most cost effective, labor cost saving
- > Attractive design





# > V-Lock

Maximize reliability of your power input

## Strategic Positioning

- Extending range of cord retaining with a simple, easy to use and cost effective solution
- Brand recognition of Schurter as leading partner for demanding applications

## Competitors

- IEC Lock
- Interpower screw-clamp
- Cord retaining clamps
- Neutrik power con
- Individual makeshift solutions

## Price Position

- Material cost slightly above, total cost below cord retaining solution

## Applications

- Medical and laboratory equipment
- Telecom and IT infrastructure equipment
- Power Distribution Units
- Audio and Lighting industry
- Broadcasting

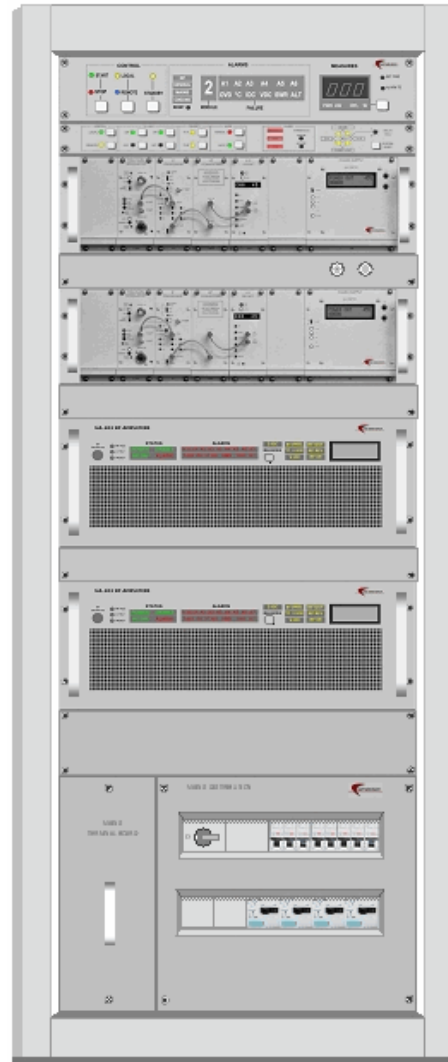
## USP (Customer focus)

- Prevents for unintentional disconnection and **increases safety**
- **Easy to use** with a snap, no distant parts
- **Most cost effective**, safes assembly and material costs compared to existing solutions

# V-Lock - Applications



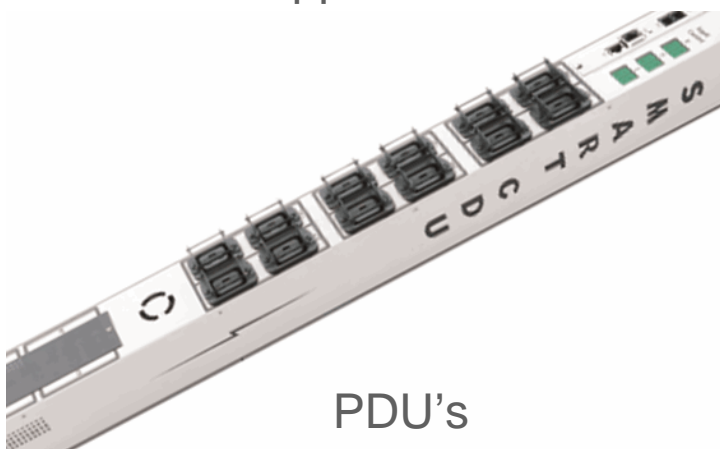
Medical appliances



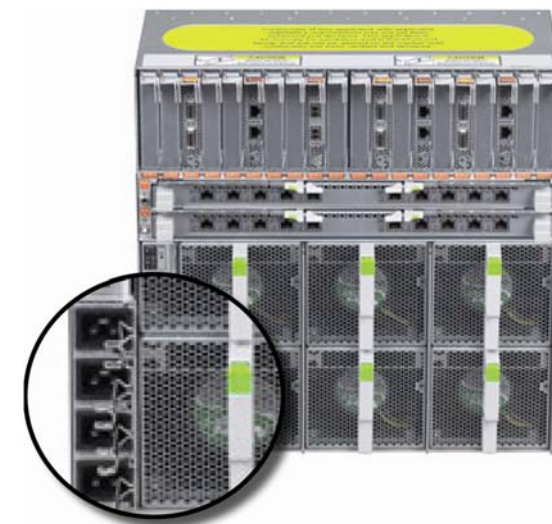
Broadcasting



Audio & Lightning



PDU's








IT / Telecom Infrastructure

# > V-Lock - Competitors



> There are different technologies available offering retaining functionality:

Manufacturer	SCHURTER	IEC Lock	SCHURTER	SCHURTER	Bulgin
Type	V-Lock	IEC Lock	Cord retaining clamp	Cord retaining clamp	Buccaneer
					
Ease of use	<b>very easy</b>	<b>very easy</b>	complicated	complicated	easy
Number of components	<b>2</b>	<b>2</b>	4	3-4	<b>2</b>
Labor intensity	<b>small</b>	<b>small</b>	high	mid-high	mid
Safety offered	<b>robust</b>		robust	<b>very robust</b>	<b>very robust</b>
Sealing option	-	-	possible	possible	<b>integrated</b>
IP Degree	IP 40	IP 40	IP 40/54	IP 40/54	
Compatibility	<b>good (IEC60320)</b>	<b>good (IEC60320)</b>	<b>good (IEC60320)</b>	<b>good (IEC60320)</b>	restricted (unique)
Approvals	<b>ENEC and UL approved</b>		<b>ENEC and UL approved</b>	<b>ENEC and UL approved</b>	<b>ENEC and UL approved</b>

- > V-Lock is based on IEC 60320 and due to its clever design compatible with non V-Lock IEC 63020 connectors.
- > It is simpler to use than any other cord retaining system and allows an extremely cost effective installation.
- > It increases safety in mission critical application, also in harsh environment

# > V-Lock Products



## Connectors ready for series production:



6010



6061



GSP1



GSP2



DF11



6600-3



6600-4



6610



4797

## V-Lock Cordsets:



**Cordsets available ex stock with country plugs for:**

- Europe
  - US
  - UK
  - JP
  - CN
  - AU
  - Interconnection cords
- Other types on request

A list with all available connectors for V-Lock see next page

# > V-Lock Products



Connectors which are available for V-Lock are marked in the catalog SCHURTER range at a glance with the V-Lock sign:



List of available connectors:

Product group 05:

4707	GSF1
6135	GSF2
6136	KD
6145	KE
6766	KEB1
DC11	KEB2
DC21	KEC
DF11	KG
EC11	KP (outlet)
EF11	KP (switch)
GRM1	KP (fuseholder)
GRM2	

Product group 06:

5120	DF12
5130	EC12
5145	EF12
5150	FGS
5707	KFB1
C20F	KFB2
CD	KFC
CE	KFS
CG	KFX
DC12	
DC22	

Product group 07:

1601	6170
1621	6610
1624	6600-3
4797	6600-4
4798	6602-4
6010	GSP1
6048	GSP2
6061	
6062	

Delivery time upon request

Other connectors cannot be manufactured with V-Lock notch



Connectors (Inlets/Outlets)

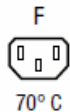
6600-4

www.schurter.com/pg07

IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal



V-Lock



**Description**

- Panel Mount:  
Snap-in version from front side
- Connector, Pin temperature 70 °C, Protection class I
- Solder terminals or quick connect terminals

**Approvals**

- VDE Certificate Number: 40017345
- UL File Number: E103791

**Other versions on request**

- Other panel thickness
- Types for rivet mounting available upon request
- Types for enhanced glow wire test requirements acc. IEC 60695-2-11 to -12 for the use in unattended household equipment acc. IEC 60335-1
- Variant with notch for V-Lock mating Cordsets

**References**

**Weblinks**

General Product Information, Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check, Accessories

Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

**Technical Data**

Ratings IEC	10A / 250VAC; 50Hz	Appliance Outlet	F acc. to IEC/EN 60320-2-2,
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# >| Data Sheets



Snap-in	3	Quick connect terminals 6.3 x 0.8 mm	6600.4330
Snap-in	3	Quick connect terminals 6.3 x 0.8 mm	6600.4330.21
Snap-in	1	Solder terminals 3.8 x 0.8 mm	6600.4110
Snap-in	1	Solder terminals 3.8 x 0.8 mm	6600.4110.21
Snap-in	1.2	Solder terminals 3.8 x 0.8 mm	6600.4112
Snap-in	1.2	Solder terminals 3.8 x 0.8 mm	6600.4112.21
Snap-in	1.5	Solder terminals 3.8 x 0.8 mm	6600.4115
Snap-in	1.5	Solder terminals 3.8 x 0.8 mm	6600.4115.21
Snap-in	2	Solder terminals 3.8 x 0.8 mm	6600.4120
Snap-in	2	Solder terminals 3.8 x 0.8 mm	6600.4120.21
Snap-in	2.5	Solder terminals 3.8 x 0.8 mm	6600.4125
Snap-in	2.5	Solder terminals 3.8 x 0.8 mm	6600.4125.21
Snap-in	3	Solder terminals 3.8 x 0.8 mm	6600.4130
Snap-in	3	Solder terminals 3.8 x 0.8 mm	6600.4130.21

Articles for enhanced glow wire test requirements acc. IEC 60695-2-11 to -13 can be ordered with ending ".15" (xxxx.xxxx.15). They are suitable for the use in unattended household equipment acc. IEC 60335-1.

".21" corresponds to the version with V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.