

Cord-retention safeguard for IEC appliance couplers





> Locking system for IEC appliance power inlets and outlets

Benefits

- highest possible level of safety and reliability against unintentional unplugging of power cords
- most cost-effective plug-retention safeguard on the market
- no extra assembly required
- no additional components required
- attractive design
- simple, obvious operation
- available for 10 A and 16 A IEC connectors
- protection class I and II
- available for power interconnection cords





> The safe, secure alternative

When it comes to medical analysis, diagnosis or laboratory equipment, portable instruments, professional A/V applications or equipment in the food-stuffs industry, the loss of power can have serious consequences. Especially with electrical equipment that can be moved while in operation, there is the danger that the power cord can be unintentionally pulled out of the unit. Plug-retention safeguards can prevent this. Conventional plug-retention systems consist of safety brackets mounted on the power plug. Depending on the type of equipment and because of the many types and shapes of power sockets they have, it is important to select the correct bracket shape.

V-Lock – the safe, secure alternative

With the V-Lock system, SCHURTER offers a simple, attractive alternative. With V-Lock, the power connector is equipped with a pin that interlocks with a special notch in the inlet on the power cord and thus reliably prevents the cord from being pulled out unintentionally. The advantage of this scheme is that no clamping system specific to a unit's power inlet or retaining bracket must be adapted and attached.



The lock is released by pressing a finger on the disengaging lever. This lever is easily identified due to its bright yellow color, a feature that also distinguishes this scheme from conventional pluggable power supply systems. The extraction force is at least 200 N.

A variety of inlet and outlet types, Power Entry Modules and numerous country-specific power cords are available with this feature. The V-Lock locking system can be integrated into power couplings in compliance with IEC 60320 for 10 A and 16 A.

> Product range

Power Entry Modules with V-Lock without filter | schurter.com/pg05



Power Entry Modules (PEMs) consist of an appliance inlet along with additional functions: switch, circuit breaker, fuse holder, voltage selector. PEMs come in versions for screw-on or snap-in assembly. For the internal wiring the system features quick connect or solder terminals.

4707	6135	6136	6145	6766	DC11	DC21	DF11
EC11	EF11	GSF1	GSF2	KD	KE	KEA	KEA-Print
KEC	KG	KP (outlet)	KP (switch)	KP (fuseholder)			

Power Entry Modules with V-Lock and line filter | schurter.com/pg06



Power Entry Modules (PEMs) with a line filter also come in medical versions. There are various combinations available with switches, circuit breakers, fuse holders and voltage selectors. PEMs come in versions for screw-on or snap-in assembly. For the internal wiring the system features quick connect or solder terminals.

5120	5123	5130	5145	5150	5707	C20F	CD
CE	CG	DC12	DC22	DF12	EC12	EF12	FGS
KFC	KFS	KFX					

Power inlets and outlets with V-Lock | schurter.com/pg07



IEC appliance power inlets and outlets that meet international standards are available for 10 A and 16 A. IEC appliance power inlets come in versions for screw-on, snap-in or «sandwich» assembly. For the internal wiring the system features quick connect, IDC or solder terminals.

1621	1624	4793	4797	4798	6010	6048	6061
6600-3	6600-4	6610					
GSP1	GSP2	GSP4					

Power cords with country-specific plugs | schurter.com/pg07_2



Power cords with a rated current of 10 A with country-specific plugs are available in these lengths: 1.5, 2.0, 3.0 and 5.0 m.

Power cords with a rated current of 16 A with country-specific plugs are available in the length of 2.0, 3.0 and 6.0 m.

Power cords versions according to "Hospital Grade", other variants on demand.

Countries: USA, Europe (Schuko), Great Britain, Switzerland, Australia, Japan, China, Italy, South Africa, Brasil

Interconnection cords | schurter.com/pg07_2



Interconnection cords with a rated current of 10 A are available in these lengths: 0.6, 1.2, 1.5 and 2.0 m.

Interconnection cords with a rated current of 16 A are available in the length of 2.0 m.

Other variants on demand.

“SCHURTER is a leading partner in the electronics and electrical industry. Our innovative products provide the desired competitive advantage to the developer of devices.”

Albert Bürgler, Product Manager, SCHURTER Group, Division Components



COMPONENTS

Switzerland

SCHURTER AG
phone: +41 41 369 31 11
contact@schurter.ch

Brazil

SCHURTER + OKW do Brasil
Componentes Eletronicos Ltda.
phone: +55 11 5041 31 41
info@sob-brasil.com

China

SCHURTER Electronics Shenzhen Ltd.
phone: +86 755 2994 0066
info@schurter.com.cn

Chi Lick-Schurter Ltd.
Hong Kong SAR
phone: +852 2408 7798
fuse@chilickschurter.com

Germany

SCHURTER GmbH
phone: +49 7642 6820
info@schurter.de

France

SCHURTER SA
phone: +33 3 2502 5049
contact@schurter.fr

India

SCHURTER Electronics (India) Pvt. Ltd.
phone: +91 2667 264753/4
info@schurter.co.in

Italy

KEVIN-SCHURTER S.p.a
phone: +39 02 3046 5311
info@kevin.it

Japan

SCHURTER K. K.
phone: +81 3 5793 5111
info@schurter.co.jp

Sweden

SCHURTER Nordic AB
Tel.: +46 8 447 35 60
info@schurter.se

Singapore

SCHURTER (S) Pte. Ltd. (APAC HQs)
phone: +65 6291 2111
info@schurter.com.sg

Slovak Republic

SCHURTER (SK) s.r.o.
phone: +42 138 539 84 80

Czech Republic

SCHURTER spol. s.r.o.
phone: +42 0483 392 080
firma@schurter.cz

United Kingdom

SCHURTER Ltd.
phone: +44 1243 810 810
sales@schurter.co.uk

USA

SCHURTER Inc.
phone: +1 707 636 3000
info@schurterinc.com

INPUT SYSTEMS

Germany

SCHURTER GmbH
phone: +49 7642 6820
info@schurter.de

Switzerland

SCHURTER Input Systems AG
phone: +41 56 481 90 00
input@schurter.ch

EMS

ELECTRONIC MANUFACTURING
SERVICES

Switzerland

TICOMEL SA
phone: +41 91 640 44 10
contact@ticomel.ch

 **SCHURTER**

ELECTRONIC COMPONENTS

schurter.com

safe&easy

Circuit protection

Connectors

Switches

Input systems

EMC products

Electronic Manufacturing Services