

# Everon® Copper Datacom Class I, KS2000S Cat. 8.1, Shielded RJ45 Keystone, AWG 22-26

CORNING

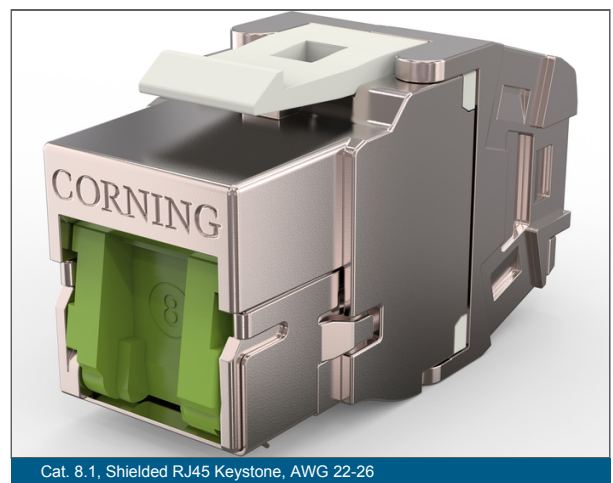
**Part Number:**  
**KAXHSM-00106-C001-BP**

The KS2000S Keystone jack is an easy to assemble RJ45 jack for small to medium size in-building enterprise solutions or data center switch-to-server interconnections. The versatile KS2000S supports both LAN and data center applications with maximum performance and is therefore, suitable for all current applications such as 40GBase-T. The 3-way cable entry and standard Keystone dimensions support space-saving installations, e.g. in a 48-port patch panel in just 1U. The integrated self-closing dust shutter prevents dirt from entering the contact surfaces at any time. The jack is backwards compatible and supports RJ11/RJ12 connectors. The IDC design allows the use of only one jack to accommodate 4-pair AWG 22-26 solid conductors or AWG26/27 stranded conductors for T568A or T568B.

Strain relief is provided by the housing bracket of the jack or optionally by an additional clip using a cable tie. The jack complies with Cat.8.1 component performance according to IEC 60603-7-81, ISO/IEC11801 Ed. 2.2, EN 50173-1 and supports 4PPoE according to IEEE 802.3bt. The jack's design ensures high quality and transmission performance, which is continuously monitored by an independent test laboratory (GHMT PVP).



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## Specifications

### Environmental Conditions

Environmental compatibility	Recyclable and free of heavy metal
Halogen-free	Yes
Temperature range, installation	-40 °C to 70 °C
Temperature range, operation	-10 °C to 60 °C

### Design

Jack Type	RJ45 - 8/8
Housing material	Die-Cast
Housing colour	Silver
Cable entry type	Three variable cable inputs (180° straight, 250° and 70°)
Wire Conductor+Insulation diameter max.	1.6 mm
Cable diameter	9 mm
Conductor	AWG 22-26 solid conductors or AWG 26 - 27 stranded conductors

### Mechanical Specifications

Durability of RJ45 Jack (PoE)	≥ 750 mating cycles under load (52 volt, 860 mA, 90 watt) in compliance with technical transmission parameters
Durability of RJ45 Jack	≥ 750 mating cycles possible, EN 186000-1, test 4.5.32
Contact surface	Gold pad in contact area
Reproducibility	Several times reusable
Solid Wire Diameter	1 mm to 1.6 mm

### Electrical Specifications

Input to output DC Resistance Unbalance	< 50 mΩ
Input to output DC Resistance	< 200 mΩ
Voltage rating	Less than 75 V DC max and less than 50 V ACC max

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Dimensions	
Height	19.6 mm
Width	14.5 mm
Depth	37 mm



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