

Technical Data Sheet

Rosenberger

Cat6 Unshielded Keystone

CP31-131-XX

Application

Rosenberger HDCS® CAT.6 keystone jacks are components of the HDCS® Cabling system. These jacks shares the same mounting features, apply to outlet faceplate, surface mounting box and modular patch panel.

- 10baseT Ethernet
- 100baseTX Fast Ethernet
- 1000baseTX Gigabit Ethernet
- 155Mbit ATM
- 622Mbit ATM
- TR-16 Active
- TR-16 Passive

Performance

Exceeding the specification of ANSI/TIA-568C.2 Category 6 requirements. Outstanding performance,(including IR, NEXT, FEXT and RL), which ensure the high link performance. Termination cap provides excellent strain relief, helps control cable bend radius and securely retains wires.



180 degree UTP keystone Standard type
Size: L34.5×W16.3×H 22.0mm



90 degree UTP keystone Standard type
Size : L 35.0×W16.5×H 22.0mm



Pegasus Toolless Keystone module
Size : L35.0×W16.5×H 23.2mm

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Warranty

25 years of total warranty system guarantee the Rosenberger HDCS® for True Class E system.*

*Please check the detail warranty documents for more information.

Electrical Performance at 20°C

Voltage rating	125 VAC RMS
Current rating	1.5 AMP
Contact resistance	20 mΩ Max.
Insulation resistance	100MΩ Min. @ 500V DC
Dielectric strength	750V AC RMS 60Hz 1MIN
Unbalance capacitance	≤330pF/100m

Mechanical Performance

Housing material	PC UL94V-0
Insert material	PC+20%GF UL94V-0
PCB material	FR-4
Contact material	Phosphor bronze
IDC contact material	Phosphor bronze with silver or nickel plating
Wire	AWG 22 ~ 26
Life (plug in /out)	≥750 times
IDC life	≥200 times

Electrical Performance at 20°C

Frequency (MHz)	Attenuation (dB/100m)	NEXT(dB)	RL (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
	Max.	Min.	Min.	Min.	Min.	Min.
1.0	0.1	75.0	30.0	73.0	83.1	80.1
4.0	0.1	75.0	30.0	72.3	71.1	68.1
8.0	0.1	75.0	30.0	71.0	66.1	65.4
10.0	0.1	74.0	30.0	70.0	63.1	60.1
16.0	0.1	69.9	30.0	65.9	59.0	56.0
20.0	0.1	68.0	30.0	64.0	57.1	54.1
25.0	0.1	66.0	30.0	62.2	53.2	52.6
31.25	0.11	64.1	30.0	60.1	50.0	50.2
62.5	0.16	58.1	28.1	54.1	47.2	44.2
100.0	0.20	54.0	24.0	50.0	43.1	40.1
200.0	0.28	48.0	18.0	44.0	37.1	34.1
250.0	0.32	46.0	16.0	42.0	35.1	32.1

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Ordering Information

Order Number	Description
CP31-131-21	CAT6 unshielded standard 180 degree keystone Jack, black
CP31-131-22	CAT6 unshielded standard 180 degree keystone Jack, yellow
CP31-131-23	CAT6 unshielded standard 180 degree keystone Jack, blue
CP31-131-24	CAT6 unshielded standard 180 degree keystone Jack, ivory
CP31-131-25	CAT6 unshielded standard 180 degree keystone Jack, red
CP31-131-26	CAT6 unshielded standard 180 degree keystone Jack, green
CP31-131-27	CAT6 unshielded standard 180 degree keystone Jack, white
CP31-13C-11	CAT6 unshielded 90 degree Tool-less Module, Black (Pegasus)
CP31-13C-14	CAT6 unshielded 90 degree Tool-less Module, Ivory (Pegasus)
CP31-13E-11	CAT6 unshielded standard 90 degree keystone Jack, black
CP31-13E-14	CAT6 unshielded standard 90 degree keystone Jack, ivory

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Checker	Approved	Date	Rev.	Engineering change number	Name	Date
Candy	2014-03-11	Joe	Steven	2014-03-11	100	NEW	Eva	2014-03-11

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Page

3 / 3