

CORCOM HP SERIES

TE Connectivity (TE) Corcom HP series is the new power entry module developed for medical as well as general purpose applications with EMI suppression up to 12 A. Three options are available within this series, general purpose, HG option with 1 MOPP (Means of Patient Protection) and NG option with 2 MOOPs (Means of Operator Protection) compliant with UL60601. A total of 96 variants are offered for a wide range of different applications, with versatile features and protection for medical patients & operators. The HP series general purpose and HG versions are suitable for use in class I equipment, and the NG version complies with UL60601 class II medical equipment requirements, for use in dental lighting, medical imaging equipment, therapeutic equipment, medical X-Ray equipment, medical imaging systems and ultrasound equipment.

BENEFITS

- Compact design with current rating up to 12A
- Suitable for Medical devices with 1 MOPP or 2 MOOP variants
- 1 MOOP, 1 MOPP or 2 MOOP configurations
- With switch, fusing, V-Lock plug compatibility

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CORCOM HP SERIES

APPLICATIONS

- General purpose
- Medical devices
- Instruments
- Portable electrical/electronic devices
- Laboratory equipment
- Home appliances
- Office equipment
- Telecom devices

SPECIFICATIONS

- UL recognized for the US and Canada
- UL and ENEC approved for Europe
- ROHS compliant
- Corcom HP was designed using Eco-design principles, and its housing is made of post-consumer recycled material

FEATURES

- High protection power entry module
- Compatible with V-Lock plug
- Compact, light weight
- 2 MOOP (double insulated, 3 kV) UL60601 -NG
- 1 MOPP (grounded, 5 µA leakage) UL60601 -HG
- DPST Switch with rocker-guard option
- Flanged or Snap-In
- Single or Dual-Fusing
- Shrouded outputs provide class II protection with insulated FASTONs

ELECTRICAL SPECIFICATIONS

Maximum leakage current per Line to Ground	**General Purpose**	**-HG, -NG**
@120V, 60Hz	70 µA	2 µA
@250V, 50 Hz	140 µA	5 µA
HIPOT rating (2 s)		
L-G Class I	2250 VAC	
L-G Class II, (-NG)	3000 VAC	
Line to Line	1500 VDC	
Rated Voltage	120/250 VAC	
Operating Frequency	50/60 Hz	
Switch	DPST, 10,000 operations at 51 A max. Inrush	
Current Overload	2 X Rated for 8 second †	
Humidity	21 days, 40C @95% RH	
Operating Ambient Temperature	-40C to 40C†	
Storage Temperature	-40C to 85C	
Compatible with V-lock Plug	With IEC 60320 C14 or C18 socket	

† Use 14 AWG power cord for current over 6 A. Limit fault current to 12 A at 40C

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ORDERING INFORMATION (SMART PART DESCRIPTION)

EXAMPLE: 12HPENS1
12 A **
FLANGED
NO SWITCH GUARD
SINGLE-FUSE
GENERAL PURPOSE

3	HP	S	G	D	1	- NG

CURRENT RATING

00	3, 6, 10 or 12A **

HP SERIES

STYLE

E	Flanges
S	Snap-In

SWITCH GUARD

G	Guarded
N	Not Guarded

CLASS (GROUND/ NO GROUND)

[ ]	Class I, 1 MOOP, General Purpose
-HG	Class I, 1 MOPP
-NG	Class II, 2 MOOP*

OUTPUT

1	4.8 x 0.8 Spade terminals

FUSE HOLDER (Ø 5 MM X 20 MM)

D	Double
S	Single

*Class II with insulated FASTONS
**RATED 12 A UL/CSA, 10 A ULEC/ENEC

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PRODUCT OFFERING

CLASS I, 1 MOOP, GENERAL PURPOSE

Part Description	Part Number	Weight, g	Part Description	Part Number	Weight, g
Snap-IN, Guarded, Single Fuse			**Snap-IN, Guarded, Double Fuse**		
3HPSGS1	1-1609158-4	68	3HPSGD1	1-1609158-0	68
6HPSGS1	1-1609158-5	68	6HPSGD1	1-1609158-1	68
10HPSGS1	1-1609158-6	68	10HPSGD1	1-1609158-2	68
12HPSGS1	1-1609158-7	68	12HPSGD1	1-1609158-3	68
Flanges, Guarded, Single Fuse			**Flanges, Guarded, Double Fuse**		
3HPEGS1	2-1609158-2	80	3HPEGD1	1-1609158-8	80
6HPEGS1	2-1609158-3	80	6HPEGD1	1-1609158-9	80
10HPEGS1	2-1609158-4	80	10HPEGD1	2-1609158-0	80
12HPEGS1	2-1609158-5	80	12HPEGD1	2-1609158-1	80
Snap-IN, Non-Guarded, Single Fuse			**Snap-IN, Non-Guarded, Double Fuse**		
3HPSNS1	3-1609158-0	68	3HPSND1	2-1609158-6	68
6HPSNS1	3-1609158-1	68	6HPSND1	2-1609158-7	68
10HPSNS1	3-1609158-2	68	10HPSND1	2-1609158-8	68
12HPSNS1	3-1609158-3	68	12HPSND1	2-1609158-9	68
Flanges, Non-Guarded, Single Fuse			**Flanges, Non-Guarded, Double Fuse**		
3HPENS1	3-1609158-8	80	3HPEND1	3-1609158-4	80
6HPENS1	3-1609158-9	80	6HPEND1	3-1609158-5	80
10HPENS1	4-1609158-0	80	10HPEND1	3-1609158-6	80
12HPENS1	4-1609158-1	80	12HPEND1	3-1609158-7	80

HG, CLASS I, 1 MOPP

Part Description	Part Number	Weight, g	Part Description	Part Number	Weight, g
Snap-IN, Guarded, Single Fuse			**Snap-IN, Guarded, Double Fuse**		
3HPSGS1-HG	7-1609158-8	68	3HPSGD1-HG	7-1609158-4	68
6HPSGS1-HG	7-1609158-9	68	6HPSGD1-HG	7-1609158-5	68
10HPSGS1-HG	8-1609158-0	68	10HPSGD1-HG	7-1609158-6	68
12HPSGS1-HG	8-1609158-1	68	12HPSGD1-HG	7-1609158-7	68
Flanges, Guarded, Single Fuse			**Flanges, Guarded, Double Fuse**		
3HPEGS1-HG	8-1609158-6	80	3HPEGD1-HG	8-1609158-2	80
6HPEGS1-HG	8-1609158-7	80	6HPEGD1-HG	8-1609158-3	80
10HPEGS1-HG	8-1609158-8	80	10HPEGD1-HG	8-1609158-4	80
12HPEGS1-HG	8-1609158-9	80	12HPEGD1-HG	8-1609158-5	80
Snap-IN, Non-Guarded, Single Fuse			**Snap-IN, Non-Guarded, Double Fuse**		
3HPSNS1-HG	9-1609158-4	68	3HPSND1-HG	9-1609158-0	68
6HPSNS1-HG	9-1609158-5	68	6HPSND1-HG	9-1609158-1	68
10HPSNS1-HG	9-1609158-6	68	10HPSND1-HG	9-1609158-2	68
12HPSNS1-HG	9-1609158-7	68	12HPSND1-HG	9-1609158-3	68
Flanges, Non-Guarded, Single Fuse			**Flanges, Non-Guarded, Double Fuse**		
3HPENS1-HG	1-1609157-2	80	3HPEND1-HG	9-1609158-8	80
6HPENS1-HG	1-1609157-3	80	6HPEND1-HG	9-1609158-9	80
10HPENS1-HG	1-1609157-4	80	10HPEND1-HG	1-1609157-0	80
12HPENS1-HG	1-1609157-5	80	12HPEND1-HG	1-1609157-1	80

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NG, CLASS II, 2 MOOP (INSULATED FASTON)

Part Description	Part Number	Weight, g	Part Description	Part Number	Weight, g
Snap-IN, Guarded, Single Fuse			**Snap-IN, Guarded, Double Fuse**		
3HPSGS1-NG	4-1609158-6	68	3HPSGD1-NG	4-1609158-2	68
6HPSGS1-NG	4-1609158-7	68	6HPSGD1-NG	4-1609158-3	68
10HPSGS1-NG	4-1609158-8	68	10HPSGD1-NG	4-1609158-4	68
12HPSGS1-NG	4-1609158-9	68	12HPSGD1-NG	4-1609158-5	68
Flanges, Guarded, Single Fuse			**Flanges, Guarded, Double Fuse**		
3HPEGS1-NG	5-1609158-4	80	3HPEGD1-NG	5-1609158-0	80
6HPEGS1-NG	5-1609158-5	80	6HPEGD1-NG	5-1609158-1	80
10HPEGS1-NG	5-1609158-6	80	10HPEGD1-NG	5-1609158-2	80
12HPEGS1-NG	5-1609158-7	80	12HPEGD1-NG	5-1609158-3	80
Snap-IN, Non-Guarded, Single Fuse			**Snap-IN, Non-Guarded, Double Fuse**		
3HPSNS1-NG	6-1609158-2	68	3HPSND1-NG	5-1609158-8	68
6HPSNS1-NG	6-1609158-3	68	6HPSND1-NG	5-1609158-9	68
10HPSNS1-NG	6-1609158-4	68	10HPSND1-NG	6-1609158-0	68
12HPSNS1-NG	6-1609158-5	68	12HPSND1-NG	6-1609158-1	68
Flanges, Non-Guarded, Single Fuse			**Flanges, Non-Guarded, Double Fuse**		
3HPENS1-NG	7-1609158-0	80	3HPEND1-NG	6-1609158-6	80
6HPENS1-NG	7-1609158-1	80	6HPEND1-NG	6-1609158-7	80
10HPENS1-NG	7-1609158-2	80	10HPEND1-NG	6-1609158-8	80
12HPENS1-NG	7-1609158-3	80	12HPEND1-NG	6-1609158-9	80

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