

DC/DC converter
Ha-VIS pCon 7150-24/48
for centralised power supply
with degree of protection IP 65



Han® 3 A / M12 A-coding		IP 65	24 V DC	48 V DC
Input		Output		
Input voltage	16.8 ... 33.6 V DC (wide range input)	Output voltage	48 V DC -1 % / +2 %	
Inrush current	< 7 x I _{in nom}	Output current	3.1 A	
Switching frequency	approx. 70 kHz	Ripple	≤ 1 % p-p	
Efficiency	> 90 %	Noise	≤ 2 % p-p	
Input filter	two-step filter	Starting time	≤ 200 ms	
Reverse polarity protection	by means of connector with coding	No load characteristics	no ground load	
Termination	Han® 3 A	Current limiting	105 ... 130 % stabilised current	
Protection class	I	Termination	M12 A-coding	
General data				
Operating temperature	-40 °C ... +70 °C / -40 °C ... +85 °C for t ≤ 10 min. according to EN 50 155			
Cooling	free convection			
Weight	approx. 1800 g			
Relative humidity	30 % ... 95 % (non-condensing)			
Dimensions	192 x 115 x 68 mm			
MTBF	> 950 000 hours (according to SN 29 500, T _A = +50 °C)			

Identification	Part number	Drawing	Dimensions in mm
Ha-VIS pCon 7150-24/48 DC/DC converter	20 80 300 3027		