

LCP Load Cell Protector

The Novaris LCP provides protection for both 4-wire and 6-wire loadcells as well as the measuring instrument. The LCP is contained within an IP65 enclosure, or alternatively as a PCB only. Installation of the LCP is certified and does not affect weighbridge calibration.



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Product Series

Option
U_c

		LCP-18	LCP-36	LCP-18-PCB	LCP-36-PCB
Electrical Specifications					
Connection type		Series			
Modes of protection		Transverse and common mode			
Maximum continuous voltage (DC)	U _c	18V	36V	18V	36V
Maximum discharge current (8/20μs)	I _{max}	250A			
Protection stages		SAD and GDT			
Voltage protection level @ 0.25kA (8/20μs)	U _p	<40	<70	<40	<70
Impulse durability		C1 8/20μs, 0.25kA, 300 times			
Over stressed fault mode		Mode 2			
Maximum load current	I _L	6.5A		5A	
Lines protected		4 or 6			
Mechanical Specifications					
Operating temperature / humidity		-40 to +85°C / 5 to 95% non-condensing			
Terminal capacity		2.5mm ²			
Terminal screw torque		0.5Nm			
Ground connection		M5 s/s stud		100mm lead	
Environmental		IP 65		IP 00	
Mounting		Panel mount			
Enclosure / colour		Aluminium / black		PCB only	
Weight		600g		80g	
Dimensions					
Width		116mm		76mm	
Height		65mm		63mm	
Depth		56mm		20mm	

Standards Compliance

IEC61643-21
ITU-T K.44
AS/NZS 1768
IEEE C62.41
UL497B
NSC No: S366

IECEx ia and ATEX models available with the Novaris Hazardous Area range
Refer to page 58 for signalling protocol compatibility