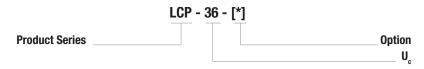


PROCESS CONTROL PROTECTION



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.



P-18	P-36	P-18-PCB	8-36-PCB
LCP-1	LCP-3	LCP-1	LCP-3

Electrical Specifications						
Connection type		Series				
Modes of protection		Transverse and common mode				
Maximum continuous voltage (DC)		18V	36V	18V	36V	
Maximum discharge current (8/20µs)	I _{max}	250A				
Protection stages		SAD and GDT				
Voltage protection level @ 0.25kA (8/20µs)		<40	<70	<40	<70	
Impulse durabiltiy		C1 8/20µs, 0.25kA, 300 times				
Over stressed fault mode		Mode 2				
Maximum load current	I _L	6.5A 5A		iΑ		
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			

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

Dimensions				
Width	116mm	76mm		
Height	65mm	63mm		
Depth	56mm	20mm		

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

