

Viewline Ammeter

Description

Indication of Battery charge and discharge current

Features

- _ Integrated Warning LED.
- _ Changeable Frontbezels.
- _ LED Illumination
- _ Flush mount possibility
- _ High reliability



Picture: Ammeter

Concept

Housing	PC; flame retarding (UL94)
Bezel	PC or ABS; several colors and shapes (see table)
Lens	PMMA; double lens
Dial	backlit; different colors (see table)
Pointer	backlit, white on black dials; red on white dials
Illumination	Dial: LED amber (605nm) Pointer: LED red (632nm)
Warning LED	red (632nm)
Mounting	spinlock Nut; locking height 0,5mm – 20mm, optional Studs and Bracket; locking height 2 – 15mm
Connection	8 pin MQS connector system

Technical Data

Installation depth	50mm	
Installation diameter	52mm	
Deflection angle	240°	
Operating Voltage	8 – 32 Volt	
Accuracy	< 2,5 % of the full scale reading	
Current consumption	< 140 mA, including Warning LED	
Operating temperature	-30°C to +80°C; plated bezels (chrome) -30°C to +70°C	
Storage temperature	-40°C to +80°C for 48h; plated bezels (chrome) -40°C to +70°C +90°C for 1h	
Temperature shock	Range	-40°C to +85°C; plated bezels (chrome) -40°C to +70°C
	Transformation time	10 seconds
	Retention time	2h
Climatic test	Range	+25°C to +55°C
	Rel. Humidity	95%
EMC in conformity with	DIN_EN 61000-6-3	
	DIN_EN 61000-6-1	
	DIN_EN 61000-6-4	
	DIN_EN 61000-6-2	
Standards	EN 60945	
	GL, Category C, F (under preparation)	
Vibration	Sinus 2g; 10-500Hz; duration 16h	
	Noise 3g; 10-1000Hz, duration 8h	
Mechanical shock	continuous	25g; 6ms; 1Hz
	Single shock	100g; 11ms
	Free fall	1m; 3 times
Chemical resistance against	<ul style="list-style-type: none"> - preservative agent - preservative agent remover - cold cleaner - methylated spirit - interior cleaner - drinks containing caffeine and tannin 	
Nominal position	NL 0 to NL 85 (DIN16257)	
Protection class	according to IEC 60529	
	Front: IP67 (in Nominal position)	
	Rear: IP52 (in Nominal position)	
Reverse polarity protection	yes, 5 minute	
Short circuit protection	yes, 1 minute	

available Gauges:

No. packed	No. unpacked	colour	Measurement range	ISO Symbol	Sensor	Voltage	Double lens
A2C59510000	A2C53211039	black	+30A	AMP	60mV	12+24	no
A2C59510001	A2C53211035	black	+60A	AMP	60mV	12+24	no
A2C59510002	A2C53210973	black	+100A	AMP	60mV	12+24	no
A2C59510003	A2C53210972	black	+150A	AMP	60mV	12+24	no
A2C59510004	A2C53211037	white	+30A	AMP	60mV	12+24	no
A2C59510005	A2C53211034	white	+60A	AMP	60mV	12+24	no
A2C59510006	A2C53210974	white	+100A	AMP	60mV	12+24	no
A2C59510007	A2C53210971	white	+150A	AMP	60mV	12+24	no
A2C59510022	A2C53210959	black	+60A	AMP	60mV	12+24	yes
A2C59510023	A2C53210957	black	+150A	AMP	60mV	12+24	yes
A2C59510024	A2C53210958	white	+60A	AMP	60mV	12+24	yes
A2C59510025	A2C53210956	white	+150A	AMP	60mV	12+24	yes

Accessories:

A2C59510854	VL Mounting Kit (studs and brackets) 52, 85, 110mm
A2C59510864	VL Mounting bracket flush mount
A2C53215640	VL Sealing Ring 52mm flush mount
A2C59510847	Bush housing, 8-pin
A2C53324664	Protective connector cap, 8-pin
Tyco No. 539635-1	Hand pliers
Tyco No. 539682-2	Tool for hand pliers.
Tyco No. 1355718-1	Single contacts 0.14 – 0.22 mm ² tin plated
Tyco No. 963729-1	Single contacts 0.5 – 0.75 mm ² tin plated
Tyco No. 1355717-1	Strip 0.14 – 0.22 mm ² tin plated
Tyco No. 928999-1	Strip 0.25 – 0.5 mm ² tin plated
Tyco No. 963715-1	Strip 0.5 – 0.75 mm ² tin plated

Bezels 52mm

	black	black nickel	brush aluminium	chrome	gold	white
flat	A2C53186040	A2C53293468	A2C53293480	A2C53186023	A2C53293482	A2C53186022
round	A2C53186027	A2C53293494	A2C53293495	A2C53186029	A2C53293496	A2C53186028
triangle	A2C53186024	A2C53293545	A2C53293546	A2C53186026	A2C53293548	A2C53186025

Shunts according DIN 43703; see: www.crompton-instruments.com