

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-	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	color	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 aluminum*	chrome	gold*	white
flat	A2C53186040	A2C53293468	A2C53293480	A2C53186023	A2C53293482	A2C53186022
round	A2C53186027	A2C53293494	A2C53293495	A2C53186029	A2C53293496	A2C53186028
triangle	A2C53186024	A2C53293545	A2C53293546	A2C53186026	A2C53293548	A2C53186025

* Only on request, no part off standard portfolio

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