Product Information

www.vdo.com

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

PC; flame retarding (UL94) Housing

PC or ABS; several colors and shapes (see table) Bezel

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 cleanermethylated spiritinterior 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 mm² tin plated			
Tyco No. 963729-1	Single contacts 0.5 – 0.75 mm² tin plated			
Tyco No. 1355717-1	Strip 0.14 – 0.22 mm² tin plated			
Tyco No. 928999-1	Strip 0.25 – 0.5 mm² tin plated			
Tyco No. 963715-1	Strip 0.5 – 0.75 mm² 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

