

Viewline Hours Counter

Description

Gauge to count Engine running hours.

Features

- _ LED illumination
- _ Integrated Warning LED
- _ Changeable bezels
- _ Backlit technology
- _ Antifog and splash protection
- _ Panel and flush mount possibility



Picture: Hours Counter

Concept

Housing	Polycarbonat (PC)
Bezel	PC (black, white) or ABS (chrome); several colors and shapes (see table)
Lens	PMMA; double lens
Dial	backlit; different colors (black, white)
Number wheels	white on black (full hours) red on white (1/10 hours)
Illumination	Dial: LED amber (605nm)
Function LED	red
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
Operating Voltage	9 – 30 Volt DC
Accuracy	± 5 Sec / d (at 14V DC, 23°C, NL45)
Current consumption	< 30 mA, at 12V (without Illumination)
Operating temperature	-40°C to +80°C; plated bezels (chrome) -40°C to +70°C
Storage temperature	-40°C to +85°C for 48h; plated bezels (chrome) -40°C to +70°C
Temperature shock	in Conformity to IEC 60068 – 2 – 14
Climatic test	in Conformity to IEC 60068 – 2 – 30 Db Variant 2
EMC in conformity with (Electromagnetic compatibility)	DIN_EN 61000-6-2 DIN_EN 61000-6-3
Standards	GL, Category C, F (under preparation) CE ECE-R10
Vibration	in Conformity to IEC 60068 – 2 – 6 and DIN EN 60068 – 2 – 64 in combination with DIN EN 60068 – 2 – 14
Mechanical shock	in Conformity to IEC 60068 – 2 – 27 and DIN EN 60068 – 2 – 29
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
Over voltage protection	yes, max 70 V for 250 ms

Available Gauges:

No. packed	Illumination	Dial color	Measurement Range (max.)	ISO Symbol	Voltage	Double lens	Bezel
A2C59510871	no	black	99999.9 h	Hour glass	12/24 Volt	no	Triangular, black
A2C59510874	yes	black	99999.9 h	Hour glass	12/24 Volt	no	no
A2C59510876	yes	black	99999.9 h	Hour glass	12/24 Volt	yes	no
A2C59510872	no	black	99999.9 h	Hour glass	12/24 Volt	no	no
A2C59510875	yes	white	99999.9 h	Hour glass	12/24 Volt	no	no
A2C59510877	yes	white	99999.9 h	Hour glass	12/24 Volt	yes	no
A2C59510873	no	white	99999.9 h	Hour glass	12/24 Volt	no	no

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	Chrome	White
Flat	A2C53186040	A2C53186023	A2C53186022
Round	A2C53186027	A2C53186029	A2C53186028
Triangle	A2C53186024	A2C53186026	A2C53186025