Viewline Hours counter

Description

Gauge to count Engine running hours..

Picture: Hours Counter

Features

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

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)
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

VDO

Technical Data

Installation depth	50mm
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	DIN_EN 61000-6-2 DIN_EN 61000-6-3
Standards	GL, Category C, F (under preparation)
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 90 (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	ISO Symbol	Voltage	Double lens	Bezel
A2C59510871	no	black	99999,9 h	Hour glass	12/24V	no	Triangular, black
A2C59510874	Yes	black	99999,9 h	Hour glass	12/24V	no	no
A2C59510876	Yes	black	99999,9 h	Hour glass	12/24V	yes	no
A2C59510872	no	black	99999,9 h	Hour glass	12/24V	no	no
A2C59510875	Yes	white	99999,9 h	Hour glass	12/24V	no	no
A2C59510877	Yes	white	99999,9 h	Hour glass	12/24V	yes	no
A2C59510873	no	white	99999,9 h	Hour glass	12/24V	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 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 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

VDO