

Viewline Clock

Description

Gauge to indicate Time.

Features

- electrical adjustment.
- Changeable Front bezels.
- LED Illumination
- Flush mount possibility
- High reliability



Picture: Clock

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)
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	
Operating Voltage	12V System 24V System	8 – 16 Volt DC 18 – 32 Volt DC
Accuracy	< +/- 5 Sec / d (at 23°C)	
Current consumption	< 10 mA, at 12V < 10 mA, at 24V	
Operating temperature	-40°C to +85°C; plated bezels (chrome) -40°C to +70°C	
Storage temperature	-40°C to +90°C for 48h; plated bezels (chrome) -40°C to +70°C	
Temperature shock	Range Transformation time Retention time	-40°C to +85°C; plated bezels (chrome) -40°C to +70°C 10 seconds 2h
Climatic test	Range Rel. Humidity	+25°C to +55°C 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 Single shock Free fall	25g; 6ms; 1Hz 100g; 11ms 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 90 (DIN16257)	
Protection class	according to IEC 60529 Front: IP67 (in Nominal position) Rear: IP52 (in Nominal position)	
Reverse polarity protection	yes, 1 minute No reverse polarity protection for the Set button inputs (Pin 3 and Pin 5)	
Over voltage protection	12V System 24V System	16 Volt DC for 2h at 60°C 32 Volt DC for 2h at 60°C

available Gauges:

No. packed	No. unpacked	Dial color	Measurement range	ISO Symbol	Lens	Voltage
A2C60001015	A2C53311885	white	12 h	-	double	12V
A2C60001016	A2C53321688	white	12 h	-	double	24V
A2C60001017	A2C53321687	black	12 h	-	double	12V
A2C60001018	A2C53321689	black	12 h	-	double	24V
A2C60002880	A2C53367829	white	12 h	-	single	12V
A2C60002881	A2C53367832	white	12 h	-	single	24V
A2C60002882	A2C53367833	black	12 h	-	single	12V
A2C60002883	A2C53367834	black	12 h	-	single	24V

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