

Viewline Synchronizer

Description

Gauge to synchronize the Engine Revolution of two engines

Features

- _ Changeable Frontbezels.
- _ Flush mount possibility
- _ LED Illumination
- _ High reliability



Picture: Synchronizer

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 – 13mm |
| Connection | 8 pin MQS connector system |

Technical Data

| | | |
|-----------------------------|--|---|
| Sensors: | Hall sensor Inductive sensor Blocking oscillator Ignition Terminal 1 Alternator Terminal W | |
| Illumination | amber, dimmable | |
| Installation depth | 50mm | |
| Installation diameter | 85mm | |
| Deflection angle | +/- 120° | |
| Operating Voltage | 8,5 – 32 Volt | |
| Accuracy | +/- 2,5% of full scale reading | |
| Current consumption | < 175 mA, including Warning LED | |
| Operating temperature | -20°C to +85°C; plated bezels (chrome) -20°C to +70°C | |
| Storage temperature | -40°C to +85°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 | 80% to 100% |
| EMC in conformity with | ISO 7637-1/2 ISO 7637-3 | |
| ESD in conformity with | DIN_EN 61000-4-2 ISO/CD 10605 SAE J 551/15) | |
| Vibration | Sinus 2g; 8-500Hz; duration 16h Noise 4,2g; 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, 1 minute | |
| Short circuit protection | yes, 1 minute | |

available Gauges:

| No. packed | No. unpacked | color | Input signal | Double lens |
|-------------|--------------|-------|----------------------|-------------|
| A2C59510098 | A2C53194780 | black | W, 1, Lightning Coil | yes |
| A2C59510099 | A2C53194781 | white | W, 1, Lightning Coil | yes |

Accessories:

| | |
|--------------------|--|
| A2C59510854 | VL Mounting Kit (studs and brackets) 52, 85, 110mm |
| A2C59510864 | VL Mounting bracket flush mount |
| A2C53215641 | VL Sealing Ring 85mm 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 85mm

| | black | black nickel* | brush aluminum* | chrome | gold* | white |
|----------|-------------|---------------|-----------------|-------------|-------------|-------------|
| flat | A2C53192911 | A2C53293487 | A2C53293488 | A2C53192910 | A2C53293490 | A2C53192912 |
| round | A2C53192913 | A2C53293541 | A2C53293499 | A2C53192914 | A2C53293540 | A2C53192916 |
| triangle | A2C53192917 | A2C53293549 | A2C53293560 | A2C53192918 | A2C53293561 | A2C53192920 |

* Only on request, no part off standard portfolio