



Digital Astronomical Timeswitch, DIN rail 2 TE, weekly program, 1 channel, changeover contact, push terminals

Part no. TSDW1COA-1
Catalog No. 196850

Design verification as per IEC/EN 61439

| Technical data for design verification | | | |
|--|-------------------|---|--|
| Static heat dissipation, non-current-dependent | P _{vs} | W | 0.4 |
| Heat dissipation capacity | P _{diss} | W | 1.5 |
| IEC/EN 61439 design verification | | | |
| 10.2 Strength of materials and parts | | | |
| 10.2.2 Corrosion resistance | | | Meets the product standard's requirements. |
| 10.2.3.1 Verification of thermal stability of enclosures | | | Meets the product standard's requirements. |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat | | | Meets the product standard's requirements. |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects | | | Meets the product standard's requirements. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | | | Meets the product standard's requirements. |
| 10.2.5 Lifting | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 Mechanical impact | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 Inscriptions | | | Meets the product standard's requirements. |
| 10.3 Degree of protection of ASSEMBLIES | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.4 Clearances and creepage distances | | | Meets the product standard's requirements. |
| 10.5 Protection against electric shock | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 Incorporation of switching devices and components | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 Internal electrical circuits and connections | | | Is the panel builder's responsibility. |
| 10.8 Connections for external conductors | | | Is the panel builder's responsibility. |
| 10.9 Insulation properties | | | |
| 10.9.2 Power-frequency electric strength | | | Is the panel builder's responsibility. |
| 10.9.3 Impulse withstand voltage | | | Is the panel builder's responsibility. |
| 10.9.4 Testing of enclosures made of insulating material | | | Is the panel builder's responsibility. |
| 10.10 Temperature rise | | | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating | | | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.12 Electromagnetic compatibility | | | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.13 Mechanical function | | | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

Technical data ETIM 7.0

| Devices for distribution board-/surface mounting (EG000062) / Digital time switch for distribution board (EC002305) | | | |
|---|--|----|-----------|
| Electric engineering, automation, process control engineering / Measurement technology, process measurement technology / Measuring appliance, time / Digital time switch (ecl@ss10.0.1-27-20-01-10 [ACN653011]) | | | |
| Mounting method | | | DIN rail |
| Number of channels | | | 1 |
| Supply voltage | | V | 230 - 240 |
| Voltage type of supply voltage | | | AC |
| Frequency supply voltage | | Hz | 50 - 60 |
| Autonomy in hours | | | 0 |
| Autonomy in years | | | 10 |
| Accuracy per day | | s | 1 |
| Text guidance in display | | | Yes |
| External programming | | | Yes |
| Memory card included | | | No |

| | | |
|---|-----|---------------------|
| 60 min. program | | No |
| 24 h program | | Yes |
| Weekly program | | Yes |
| Annual program | | No |
| Holiday program | | Yes |
| Impulse program | | No |
| Cycle program | | No |
| Astro program | | Yes |
| Random program | | No |
| Hour meter | | No |
| Mains synchronous | | No |
| Quartz controlled | | Yes |
| Radio-controlled | | No |
| Radio-controlled (DCF77) | | No |
| GPS (global positioning system) | | No |
| Contact type | | Change-over contact |
| Shortest switching time channel 1 | min | 1 |
| Shortest switching time channel 2 | min | 0 |
| Number of memory locations | | 56 |
| Automatic switching summer-/winter time | | Yes |
| Manual operation | | Yes |
| External pushbutton input | | No |
| Switching preselection | | Yes |
| Nominal switching current at 250 V AC | A | 16 |
| Potential free switch contact | | Yes |
| Degree of protection (IP) | | IP20 |
| Width in number of modular spacings | | 2 |
| Width | mm | 35.8 |
| Height | mm | 90.1 |
| Depth | mm | 69.2 |