



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

Part no. TSDW1C0-1
Catalog No. 196848

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 (ec1@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	0.5
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		No
Random program		No
Hour meter		Yes
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