SIEMENS

Data sheet 7LF4531-0



weekly time switch Astro digital 230 V 16A 1-channel 2MW

Model	
product brand name	SENTRON
product designation	Digital time switch
design of the product	Astro
design of the switching function	CO contact
General technical data	
principle of operation radio-controlled	No
principle of operation line-synchronous	Yes
principle of operation quartz-controlled	No
accuracy per day	0.1 s
shortest switching time interval of channel 1	1 s
Voltage	
control voltage at AC rated value	
● minimum	250 V
● maximum	253 V
overvoltage category according to IEC 61010-1	III
Supply voltage	
operating voltage at AC rated value	250 V
type of voltage of the supply voltage	AC
supply voltage frequency maximum	60 Hz
Protection class	
protection class IP	IP20
Breaking Capacity	
switching capacity current at AC at 250 V rated value	16 A
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1 W
Product details	
product feature external switch input	Yes
product feature floating switching contact	Yes
Product function	
product function	
● 60 min time program	Yes
● Astro program	Yes
● automatic daylight-saving adjustment	Yes
● operating hours counter	Yes
● direct operation	Yes
● holiday time program	Yes
● pulse program	Yes

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● annual time program	Yes
● switching preselection	Yes
● 24 hr time program	Yes
● text guidance in display	Yes
● weekly time program	Yes
● random time program	Yes
● cyclical time program	Yes
Number	
number of terminals with cross-head screw	1
number of channels	1
number of memory slots	56
connectable conductor cross-section in main circuit for rigid conductor	
● minimum	1.5 mm²
● maximum	4 mm²
connectable conductor cross-section in main circuit for flexible conductor with core end processing maximum	2.5 mm²
Mechanical Design	
height	83 mm
width	36 mm
depth	70 mm
number of modular width units	2
fastening method	DIN-rail mounting
Net Weight	149 g
Environmental conditions	
ambient temperature during operation	
● minimum	-20 °C
● maximum	55 °C
ambient temperature during storage	
● minimum	-20 °C
● maximum	60 °C

Approvals Certificates

Environment		General Product Approval			
Environmental Confirmations	Environmental Confirmations	cULus	VDE	EAC	Confirmation

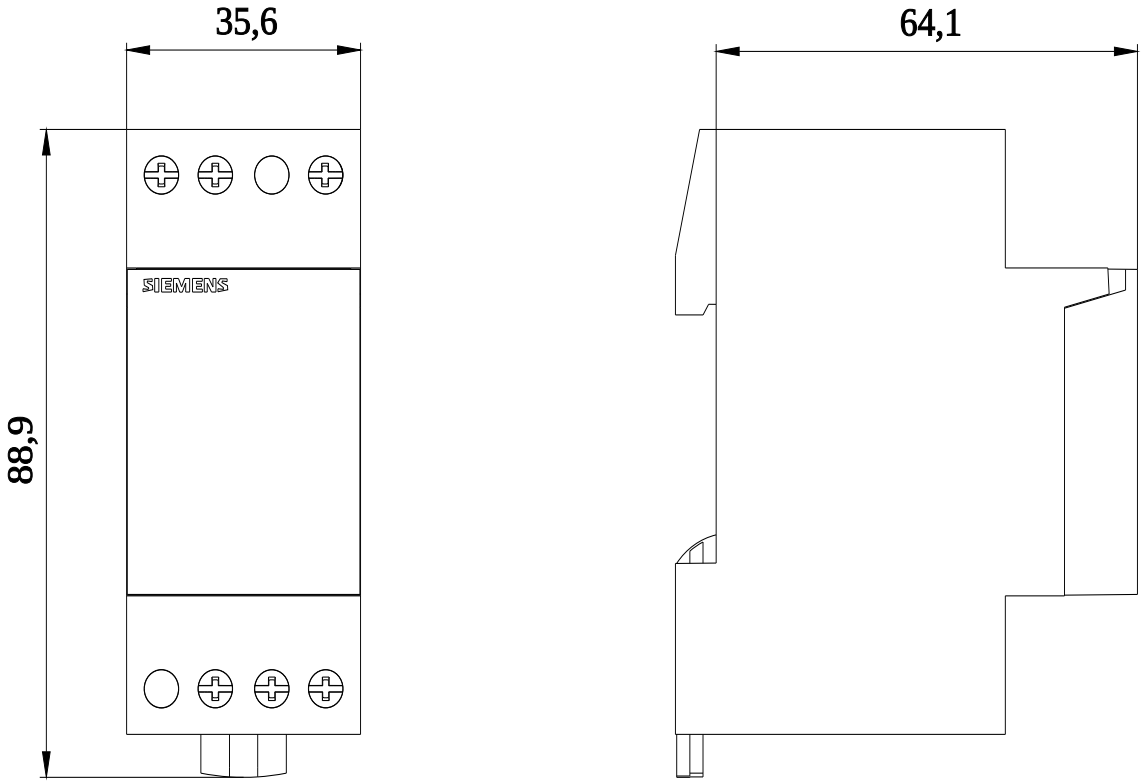
General Product Approval		other		Dangerous goods
CE EG-Konf.	UKCA	Confirmation	产品合格 QC PASS	Dangerous goods information

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7LF4531-0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/7LF4531-0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7LF4531-0
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications

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