



EMERGENCY OFF relay T55 230V 10A Overall depth 55 mm

Model	
product brand name	SENTRON
product category	basic device
product designation	EMERGENCY-OFF relay
design of the product	Mounting depth 55 mm
design of input feedback input	Yes
design of input start input	Yes
General technical data	
amplitude of deflection for vibration test according to IEC 60068-2-6 up to 55 Hz	0.35 mm
operating range factor of control voltage_1	0.8
electrical endurance (operating cycles) of the contacts at 2 A at AC-15 at 230 V	100 000
category according to EN 954-1	4
determinants for climatic applicability according to IEC 60068-1	0/55/04
performance level (PL) according to EN ISO 13849-1	Level e
operating frequency maximum	600 1/h
recovery time	500 ms
Voltage	
SIL Claim Limit (subsystem) according to EN 62061	3
surge voltage resistance between contacts of the relay operating mechanism	4 kV
Breaking Capacity	
switching capacity voltage of the contacts	
• as NC contact at DC-13	24 V
• as NO contact at DC-13	24 V
switching capacity current of the contacts	
• as NC contact at AC-15	2 A
• as NC contact at DC-13	4 A
• as NO contact at AC-15	3 A
• as NO contact at DC-13	4 A
• as CO contact at AC-1	5 A
Dissipation	
power loss [V·A]	
• of magnet coil in relay operating mechanism	3.5 VA
• of the contact in relay operating mechanism	0.8 VA
Main circuit	
operating frequency rated value	50 Hz
Control current	

type of voltage of the control supply voltage	AC
control voltage at connecting terminal Y1 at AC/DC	24 V
control supply voltage at AC	
• rated value	230 V
• at 50 Hz rated value minimum	184 V
• at 50 Hz rated value maximum	253 V
• at 60 Hz rated value minimum	184 V
• at 60 Hz rated value maximum	253 V
control current at connecting terminal Y1 at DC	45 mA
operating range factor of control voltage_2	1.1

Suitability	
suitability for use safety switch	Yes
suitability for use magnetically operated switch monitoring	No
suitability for use proximity switch monitoring	No
suitability for use EMERGENCY-OFF circuit monitoring	Yes
suitability for use opto-electronic protection device monitoring	No
suitability for use position switch monitoring	Yes
suitability for use tactile sensor monitoring	No
suitability for use valve monitoring	No

Product function	
product function muting function	No

Number	
number of terminals with cross-head screw	1
number of outputs as contact-affected switching element safety-related instantaneous contact	4

Connections	
type of connectable conductor cross-sections	2 × 2.5 mm ² (rigid max.); 1 × 0.5 mm ² (flexible, with end sleeve min.)
type of electrical connection	screw terminal
• plug-in socket	No

Mechanical Design	
height	90 mm
width	71 mm
width of opening of the contacts	1 mm
depth	55 mm
fastening method rail mounting	Yes
required spacing between contacts of the relay operating mechanism	3 mm
Net Weight	295 g

Environmental conditions	
ambient temperature during operation	
• minimum	0 °C
• maximum	50 °C

Approvals Certificates	
Environment	General Product Approval

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firmations](#)

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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=5TT5200>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5TT5200>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT5200

CAX-Online-Generator

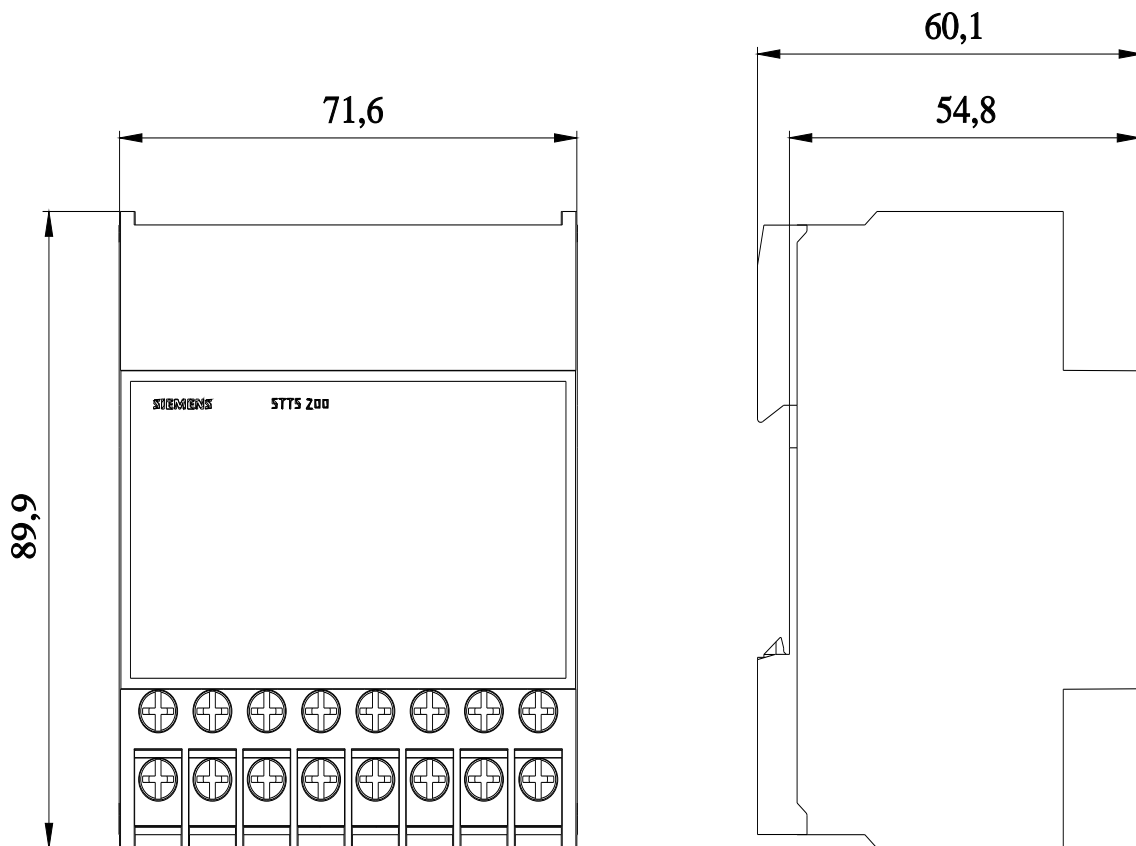
<https://www.siemens.com/cax>

Tender specifications

<https://www.siemens.com/specifications>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)



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