SIEMENS

Data sheet 3MU7110-0EA0



Thermal overload relay RANGE 0.63-1A Class 10 For mounting on 3MT7 contactors Size 0,1,2 Main circuit: Screw Auxiliary circuit: Screw Manual Automatic reset

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product brand name	SINOVA		
product designation	Thermal overload relay		
product type designation	3MU7		
General technical data			
size of overload relay	Size 1		
size of contactor can be combined company-specific	3MT7 Size 0, 1, 2		
power loss [W] for rated value of the current at AC in hot operating state	10.8 W		
• per pole	3.6 W		
insulation voltage with degree of pollution 3 at AC rated value	690 V		
surge voltage resistance of main circuit rated value	6 kV		
shock resistance according to IEC 60068-2-27	15g / 11 ms		
reference code according to IEC 81346-2	F		
Substance Prohibitance (Date)	07/01/2022		
Weight	0.175 kg		
Ambient conditions			
installation altitude at height above sea level maximum	2 000 m		
ambient temperature			
 during operation 	-5 +55 °C		
during storage	-25 +70 °C		
temperature compensation	-5 +55 °C		
relative humidity during operation	10 95 %		
Main circuit			
number of poles for main current circuit	3		
type of voltage for main current circuit	AC		
operating voltage			
rated value	690 V		
at AC-3 rated value maximum	690 V		
operating frequency rated value	50 60 Hz		
operational current rated value	1 A		
operational current at AC-3 at 400 V rated value	1 A		
operating power at AC-3			
• at 400 V rated value	0.25 kW		
at 690 V rated value	0.55 kW		
Auxiliary circuit			
number of NC contacts for auxiliary contacts	1		
• note	for contactor disconnection		
number of NO contacts for auxiliary contacts	1		
• note	for message "Tripped"		
operational current of auxiliary contacts at AC-15			

● at 24 V		4.17 <i>A</i>	
• at 110 V		3.64	
• at 690 V		0.7 A	1
operational current of auxiliary contacts at DC-	13	0.7 A	
• at 24 V	13	117/	
		4.17 A	
• at 110 V		0.45 A	
• at 220 V		0.2 A	
Short-circuit protection			
design of the fuse link		aC: 4	A Type 2 as ordination
 for short-circuit protection of the main circuit assignment 2 required 	with type of	gG: 4	A, Type-2 co-ordination
for short-circuit protection of the auxiliary sw	ritch required	fuse gG: 10 A	
Installation/ mounting/ dimensions			
mounting position		22.5° Inclination forward and backward & $\pm90^\circ$ rotation, in relation to normal vertical mounting plane	
fastening method		Contactor mounting	
height		64 mm	
width		44 mm	
depth		92 mm	
Connections/ Terminals			
type of electrical connection			
 for main current circuit 		screw-type terminals	
 for auxiliary and control circuit 		screw-type terminals	
type of connectable conductor cross-sections for m	nain contacts		
solid or stranded		1x (1 6 mm²)	
 finely stranded with core end processing 		1x (1 10 mm²)	
type of connectable conductor cross-sections for auxiliary contacts			
 solid or stranded 		1x (1 4 mm²)	
 finely stranded with core end processing 		1x (1 4 mm²)	
tightening torque			
 for main contacts with screw-type terminals 		1.85 N·m	
 for auxiliary contacts with screw-type terminals 		1.2 N·m	
design of the thread of the connection screw			
• for main contacts		M4	
 of the auxiliary and control contacts 		M3.5	
Electrical Safety			
protection class IP on the front according to IEC 60529		IP20	
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front	
Display			
display version for switching status		Trip ir	ndicator
Approvals Certificates			
General Product Approval Test Certificates	other		Environment

CE

Type Test Certificates/Test Report

Confirmation

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3MU7110-0EA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3MU7110-0EA0

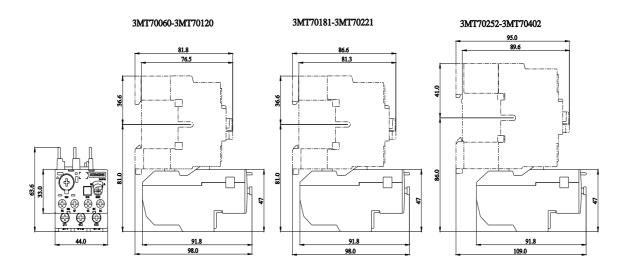
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

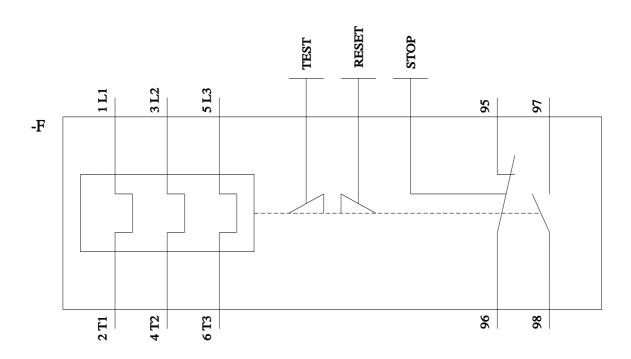
https://support.industry.siemens.com/cs/ww/en/ps/3MU7110-0EA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3MU7110-0EA0&lang=en

http://www.automation.siemens.com/bilddb/cax_de.aspx?milb=3MO7110-0EA0&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3MU7110-0EA0/cha





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