01	RELÉ DE SECUENCIA FASES GAVAZZI 70K08 *70K08 RELE SEQUENZA FASI GAVAZZI*	1	REF. 30G4511-1BP20	MEKT 0080152045	0.450	
MARCA *MARCA*	DESCRIPCIÓN *DESCRIZIONE*	CANT. *QUANT.*	CÓDIGO O NORMA *CÒDICE O NORMA*	MATERIAL O REFERENCIA *MATERIALE O REFERENCIA*	PESO *PESO* (Kg)	DIMENSIONES *DIMENSIONES* (mm)

LOCOMOTIVA E401

A	CAMBIO TIPO DE RELE	2015-10-15	10221
B	CAMBIO TIPO DE RELE	2016-01-29	10221
C	CAMBIO CAJETIN	2016-10-18	96015

Ed.	Descrizione	Date	Nome

ISO 2768-cK
DIN ISO 13920-BF

0.450	A4	BEASAIN	OT	Y

CAF Power & Automation

X:X			
	Disegnato		
	Comprovato		10760
	Verificato		14422
	Date	Nome	
	es/it		

RELÉ DE SECUENCIA FASES GAVAZZI 70K08

70K08 RELE SEQUENZA FASI GAVAZZI

CONSTRUCCIONES Y AUXILIAR DE FERROCARRILES, S.A.
BEASAIN (GIPUZKOA)

B.20.64.118 | C | 1/6

SIEMENS

MEKT CODE: 0080152045

Data sheet 3UG4511-1BP20

ANALOG MONITORING RELAY PHASE SEQUENCE MONITORING 3X 360 TO 520V AC 50 TO 60 HZ 2 CHANGEOVER CONTACTS SCREW TERMINAL REPLACEMENT PRODUCT FOR 3UG3511-1BQ50

Product function		Phase monitoring relay
Measuring circuit:		
Type of voltage for monitoring		AC
Number of poles for main current circuit		3
Measurable voltage at AC	V	320 ... 500
General technical data:		
Display version LED		Yes
Product function		
• undervoltage detection		No
• Overvoltage detection		No
• phase sequence recognition		Yes
• Phase failure detection		No
• Phase unbalance		No
• Overvoltage detection 3 phase		No
• undervoltage detection 3 phases		No
• Voltage window recognition 3 phase		No
• Auto-reset		Yes
• Adjustable open/closed-circuit current principle		No

Startup time after the control supply voltage has been applied	ms	200
Response time maximum	ms	450
Type of voltage of the control supply voltage		AC
Control supply voltage		
• at AC		
— at 50 Hz rated value	V	320 ... 500
— at 60 Hz rated value	V	320 ... 500
Operating range factor control supply voltage rated value		
• at AC		
— at 50 Hz		1 ... 1
— at 60 Hz		1 ... 1
Surge voltage resistance rated value	kV	6
Active power consumption	W	2
Protection class IP		IP20
Electromagnetic compatibility		IEC 60947-1 / IEC 61000-6-2 / IEC 61000-6-4
Vibration resistance acc. to IEC 60068-2-6		1 ... 6 Hz: 15 mm, 6 ... 500 Hz: 2g
Shock resistance acc. to IEC 60068-2-27		sinusoidal half-wave 15g / 11 ms
Installation altitude at height above sea level maximum	m	2 000
Conducted interference due to burst acc. to IEC 61000-4-4		2 kV
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5		2 kV
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV
Electrostatic discharge acc. to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling acc. to IEC 61000-4-3		10 V/m
Insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	V	690
Degree of pollution		3
Ambient temperature		
• during operation	°C	-25 ... +60
• during storage	°C	-40 ... +85
• during transport	°C	-40 ... +85
Galvanic isolation		
• between entrance and outlet		Yes
• between the outputs		Yes
• between the voltage supply and other circuits		Yes

Mechanical data:		
Width	mm	22.5
Height	mm	92

Depth	mm	91
Mounting position		any
Required spacing for grounded parts		
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• downwards	mm	0
Required spacing with side-by-side mounting		
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• downwards	mm	0
Required spacing for live parts		
• forwards	mm	0
• Backwards	mm	0
• at the side	mm	0
• upwards	mm	0
• downwards	mm	0
Mounting type		snap-on mounting
Product function removable terminal for auxiliary and control circuit		Yes
Type of electrical connection		screw-type terminals
Type of connectable conductor cross-sections		
• solid		1x (0.5 ... 4 mm2), 2x (0.5 ... 2.5 mm2)
• finely stranded		
— with core end processing		1x (0.5 ... 2.5 mm2), 2x (0.5 ... 1.5 mm2)
• at AWG conductors		
— solid		2x (20 ... 14)
— stranded		2x (20 ... 14)
Tightening torque with screw-type terminals	N·m	0.8 ... 1.2
Outputs:		
Number of NO contacts delayed switching		0
Number of NC contacts delayed switching		0
Number of CO contacts delayed switching		2
Ampacity of the output relay		
• at AC-15		
— at 250 V at 50/60 Hz	A	3
— at 400 V at 50/60 Hz	A	3
• at DC-13		
— at 24 V	A	1

— at 125 V	A	0.2
— at 250 V	A	0.1
Thermal current of the switching element with contacts maximum	A	5
Operating current at 17 V minimum	mA	5
Continuous current of the DIAZED fuse link of the output relay	A	4
Mechanical service life (switching cycles) typical		10 000 000
Electrical endurance (switching cycles) at AC-15 at 230 V typical		100 000
Operating frequency with 3RT2 contactor maximum	1/h	5 000

Certificates/ approvals:

General Product Approval			EMC	Declaration of Conformity	Test Certificates
CCC		UL	C-TICK	EG-Konf.	spezielle Prüfbescheinigungen

Test Certificates	Shipping Approval			other	Railway
Typprüfbescheinigung/Werkszeugnis	DNV	GL	LRS	Bestätigungen	Schwingen/Schocken

Further information

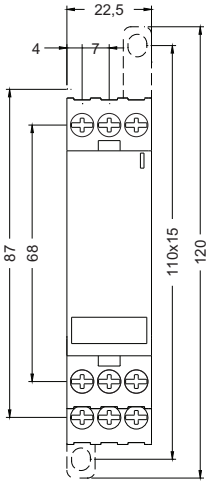
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

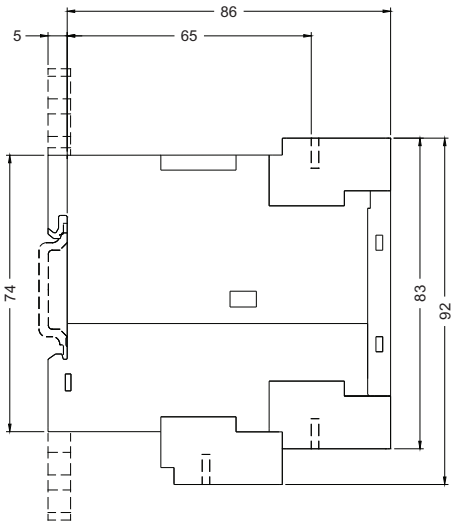
Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG45111BP20

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3UG45111BP20

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG45111BP20&lang=en





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