(Opti	onal items are indicated by a check r	nark. [⊻] )		No. : ON	M-G5SB-08003 A (2	2/8)
1.	Туре		РСВ	POWER R	ELAY	
2.	Structure					
2.1.	Outline drawing	Drawing No	-	94	18931-9	_
2.2.	Structure drawing	Drawing No			CONTROLLED CO	
2.3.	Contact structure			1C	2 0 OCT 2008	
2.4.	Contact mechanism			Single Cor	C/ //	
2.5.	Contact material	Surface mat	erial	<del></del>	Base material Ag allo	<u>y_</u>
2.6.	Protective structure	Plastic s	ealed 🔽	Flux prot	ection	
3.	Standards	· !!			·	
3.1.	Authorized specifications	<u> </u>	l	JL, CSA, V	DE	-
3.2.	Applicable specifications	UL 508 CSA (C22.2 IEC (255), V		File N	lo. E41515 lo. LR31928 lo. 40003957	
3.3.	Conforming specifications	Electrica	l appliance a	and materia	al control law of JAPAN	_
4.	Ratings					
4.1.	Operating coil (1) Rated voltage & frequency	√ Refer to	table 1.	( Initia	al values ) V H	z
	(2) Rated current	Setting c	urrent	(at	mA ± %	z)
	(3) Coil resistance	Resetting Setting		( at _	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	z) .
	(4) Rated power consumption		resistance 400 mW		Ω±%	,
	(5) Allowable range of voltage fluct	tuation:	90 to	o <u>110</u>	_% of the rated voltage	
4.2	Switching section (1) Rated load	Resistive loa	125VAC	3A (NC) 3A (NC) 1A (NC)	100K ops 200K ops 100K ops	
			125VAC	5A (NO) 3A (NO) 5A (NO)	50K ops 200K ops 100K ops	

The units and figures in brackets { } are for reference only.

(Optional items are indicated by a check mark.	<b>☑</b> )	No.: OMI-G5SB-08003 A	(3 / 8)
<ul><li>(2) Rated current</li><li>(3) Maximum contact voltage</li><li>(4) Maximum contact current</li></ul>	5A AC250V DC_ Resistive load	30_V AC <u>5</u> A DC <u>5</u>	Α
(5) Maximum switching capacity	Inductive load Resistive load	,	ms) W
	Inductive load		) ms)
(6) Minimum applicable load	<del></del>	reference value )  CONTROLLED CORY  2 0 OCT 2008	1
5. Performance (Initial values)		Ω ) max.	$\forall \mid$
5.1. Contact resistance	Measured by the vol  5 VDC  Measured by	ltage drop method with  1 A —	
5.2. Operate voltage	Setting voltage Refer to Table 1.	V max.	Ì
5.3. Release voltage	☐ Resetting voltage  Refer to Table 1.	V min.	
5.4. Operate time	✓ Setting time 1	0 ms max. (operated with rav	ted
5.5. Release time	√ Resetting time5	ms max. (operated with rate voltage)	ted
<ul> <li>5.6. Insulation resistance</li> <li>(1) Between coil and contacts.</li> <li>(2) Between contacts of opposite poil</li> <li>(3) Between contacts of the same poil</li> <li>(4) Between set coil and reset coil.</li> <li>(5) Between coil / contact terminals and non - charged metallic section (grant point of the same point of the s</li></ul>	larities plarity and exposed	250 VDC )  Megaohm m Megaohm m Megaohm m Megaohm m Megaohm m	nin. nin. nin.

damage.

of terminal caused by the force shall not be considered mechanical

8.	Operating	conditions	:

8.1. Temperature

Products shall be used under the following conditions :

8.2.	Hun	nidity

5

95 %RH

8.3. Mounting direction

Free

## 8.4. Environments

(1) Products shall not be used in a place exposed to corrosive gases such a hydrogen sulfide gas or air containing salt.

to

- (2) There shall be no visible dust.
- (3) Products shall not be exposed to direct sunlight.
- (4) No force or stress that can caused dimensional deformation or quality deterioration shall be applied.

\* 9. Table 1 (Coil Ratings)

	Table I ( Coi	i naiiiyə i					
Ī	Rated	Rated	Coil	Operate	Release	Permissible	
	Voltage	Current	Resistance	Voltage	Voltage	Voltage	Consumption
	(V)	(mA)	$(\Omega)$	%	of Rated Volta	ge	( mW )
ļ	5	80	62.5				
ļ	9	44.4	202.5	75 Max.	5 Min.	n. 90 ~ 110	400 Approx.
	12	33.3	360		J 171111.		
	24	16.7	1440				

10. Change of indications

Specification other than the ratings, performance, structure and external dimensions and mounting dimension are subject to change.

- 11. Validity of specification sheet
- 11.1. When no confirmation is received within one year of the issuing date of this specification sheet, this specification sheet will be invalidated.
- 11.2. This specification sheet is valid for 3 years after the date of receiving confirmation
- 12. Warranty period
- 12.1. Warranty period is one year from the date on which the products are delivered to the location designated by the customer.
- 12.2. Scope of warranty

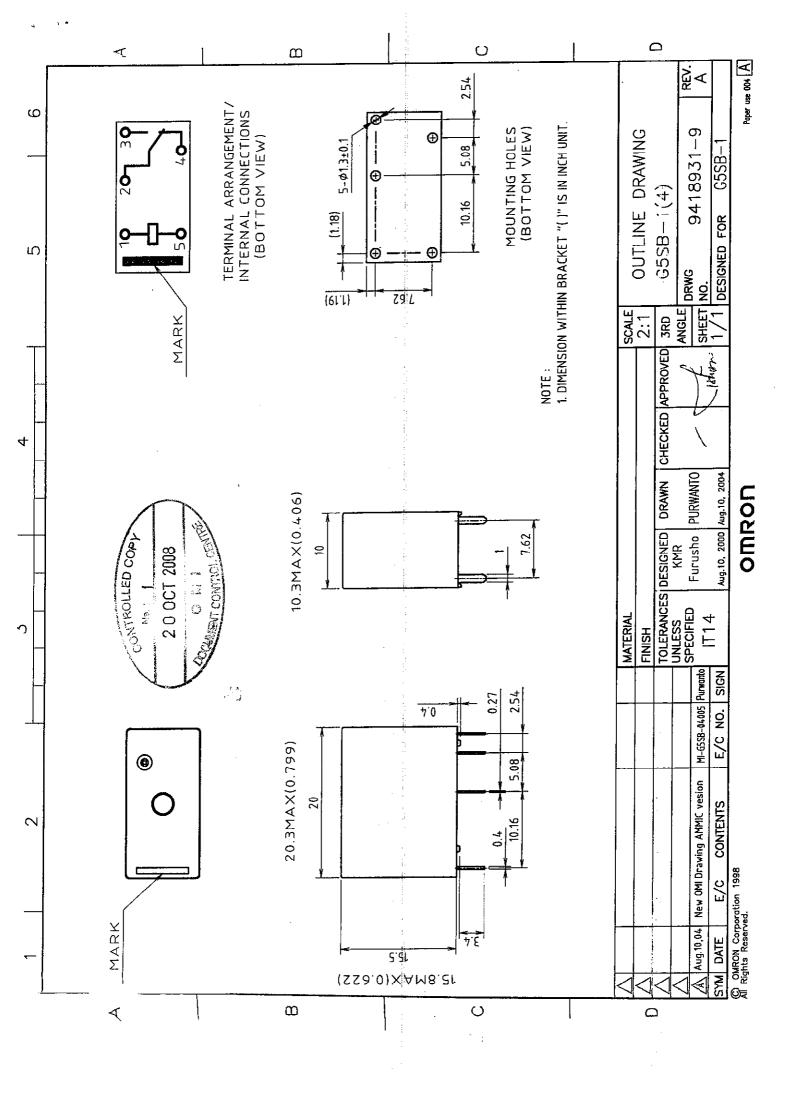
The warranty is limited only to repairs or replacement of defective parts, when Omron is responsible for the malfunctioning or defect that occurs during the warranty period.

The warranty applies only to individual products delivered by Omron. Therefore, the warranty does not cover any other damages induced by the malfunctioning of Omron products.



- 14. Handling cautions
- 14.1 Do not use ultrasonic cleaning, since it causes resonance inside the relay and can result in coil disconnection and contact sticking.
- 14.2 Do not drop products to avoid deterioration of the initial performance.





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