



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Single relay - REL-SG220/F104 - 2960177

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KAMMRELAIS ®, contact F 104, size 2, heavy-duty contact, 2 PDTs, input voltage 220 V DC

The illustration shows the version  
REL-SG 24/F 104



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 086589
Weight per Piece (excluding packing)	32.55 GRM
Custom tariff number	85364900
Country of origin	Germany

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

#### Coil side

Nominal input voltage $U_N$	220 V DC
Input voltage range in reference to $U_N$	0.8 (maximum permissible operating voltage: $1.1 \times U_N$ at 20°C)
Typical response time	8 ms
Typical release time	3 ms
Coil resistance	25000 $\Omega \pm 15\%$

#### Contact side

Contact type	Single contact
Contact material	Ag, gold-flashed

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### Technical data

#### Contact side

Maximum switching voltage	250 V AC/DC
Maximum inrush current	5 A
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC)
	60 W (at 48 V DC)
	50 W (at 60 V DC)
	70 W (at 110 V DC)
	70 W (for 250 V DC)
	500 VA (for 250 V AC)

#### General

Test voltage relay winding/relay contact	1 kV AC (50 Hz, 1 min.)
Test voltage PDT/PDT	1 kV AC (50 Hz, 1 min.)
Mechanical service life	Approx. 10 <sup>7</sup> cycles

### Classifications

#### eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

#### ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

#### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

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### Approvals

#### Approvals

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#### Approvals

#### GOST

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

GOST 

### Drawings

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Circuit diagram

