

Zertifikat *Certificate*

Zertifikatsnummer Certificate No.:

R 50711332 0001

Berichtsnummer Report No.:

17011208 027

Genehmigungsinhaber License Holder:

Global Connector Technology Limited
Unit B, 8/F, Hang Cheong Factory
Building, 1 Wing Ming Street,
Cheung Sha Wan,
Kowloon,
Hong Kong

Fertigungsstätte Manufacturing Site:

040-0002167457

Prüfzeichen Test Mark:

Geprüft nach Tested according to:

EN 61810-1:2015+A1

IEC 61810-1:2015+A1

Geräteidentifikation
Product Identification
Produkt:

Relay

Product:

(Electromechanical Elementary Relay)

Modell:

Modelle sind auf nächste(r) Seite(n) gelistet

Type:

Type designation(s) are listed on the next page(s)

Technische Daten:

Technische Daten auf nächste(r) Seite(n) gelistet

Technical Data:

Technical Data(s) are listed on the next page(s)

Gültig ab:

2026-01-26

Valid from:
Zertifizierungsstelle:
Certification body:
Ausstellungsdatum:

2026-01-26

Date of issue:

Vivian Zhang



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.

This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

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Produkt *Product:*

 Relay
 (Electromechanical Elementary Relay)

Modell *Type:*
Bezeichnung *Designation:*

Type Designation : RLP20-aabbbMxyz-vvv

aa = 03, 05, 06, 09, 12, 24 or 48,

bbb = L03, L08, L10, H05, H10 or H16

x = F or S, y = Blank, 1 or 2, z = A, H or F

vvv = 000 - 999, aaa - zzz, AAA - ZZZ or Blank

Trademark : GCT (logo)

Rated Coil Voltage : DC 3V, 5V, 6V, 9V, 12V, 24V, 48V

Rated Coil Power : 0.45W, 0.2W

Coil Insulation : Class F

Rated Contact Load :

1)AC 250V/265V, 3A, cos phi=1.0; DC 30V, 3A, L/R=0ms (bbb=L03)

2)AC 250V/265V, 8A, cos phi=1.0; DC 30V, 8A, L/R=0ms (bbb=L08)

3)AC 250V, 10A, cos phi=1.0 (bbb=L10,y=2)

4)AC 250V/265V, 5A, cos phi=1.0; DC 30V, 5A, L/R=0ms (bbb=H05)

5)AC 250V/265V, 10A, cos phi=1.0; DC 30V, 10A, L/R=0ms (bbb=H10)

6)AC 250V, 16A, cos phi=1.0 (bbb=H16,y=2)

Ambient Temperature :

1)&2) -40°C to +85°C (z=A) or -40°C to +105°C (z=H or F)

3)&4)&5) -40°C to +85°C

6) -40°C to +85°C or -40°C to +105°C (for AC load)

-40°C to +85°C (for DC load)

Duty Factor : 1)&2)&4)&5)50%; 3)&6)10%

Electrical Endurance :

1)&2)&4)&5) 100,000 cycles at 1,800 cycles/h

3) 50,000 cycles at 360 cycles/h

6) 30,000 cycles at 360 cycles/h (for AC load, -40°C to +85°C)

10,000 cycles at 360 cycles/h (for AC load, -40°C to +105°C)

10,000 cycles at 360 cycles/h (for DC load, -40°C to +85°C)

Mechanical Endurance : 10,000,000 cycles at 18,000 cycles/h

Insulation between

Coil and Contact : Reinforced Insulation

Type of Interruption : Micro-disconnection

Remark:

(1)Endurance test in accordance with clause 17 of IEC 60730-1:2010.

Type Designation : RLP20-aabbbMxyz-vvv

Rated voltage : AC 250V, cos phi=1.0

Rated current : a)3A (bbb=L03), 5A (bbb=H05)
b)8A (bbb=L08), 10A (bbb=L10 or H10)

Number of automatic cycles: 10,000 cycles

Ambient temperature : a)-40°C to +85°C; b)-40°C to +105°C

(2)Overload and endurance test in accordance with Annex G.2 of IEC 62368-1:2018.

Type Designation : RLP20-aabbbMx2z-vvv (y=2)

Overload cycles : 50 cycles at 6 cycles/min

Tested contact load : 1)AC 250V, 15A, cos phi=1.0 (bbb=L10)
2)AC 250V, 15A, cos phi=1.0 (bbb=H10)

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Produkt *Product:*Relay
(Electromechanical Elementary Relay)**Modell** *Type:***Bezeichnung** *Designation:*

Electrical endurance	: 10,000 cycles at 360 cycles/h
Tested contact load	: 1)AC 250V, 10A, cos phi=1.0 (bbb=L10) 2)AC 250V, 10A, cos phi=1.0 (bbb=H10) 3)AC 250V, 16A, cos phi=1.0 (bbb=H16)
Duty factor	: 10%
Ambient Temperature	: 85°C

