# CERTIFICATE FOR
# CHINA COMPULSORY PRODUCT CERTIFICATION

**CERTIFICATE NO.:** 2024010302647910

**NAME AND ADDRESS OF THE APPLICANT**

Lovato Electric (Shanghai) Co.,Ltd.

Room 701, No. 288 of Hongjing Road, Minhang, Shanghai, P.R.C

**NAME AND ADDRESS OF THE MANUFACTURER**

Lovato Electric S.P.A.

Via Don E. Mazza,12 24020 Gorle (Bergamo) –Italy

**NAME AND LOCATION OF THE FACTORY**

LOVATO KONCAR d.o.o.

Borongajska cesta 81b, HR - 10000 Zagreb, Croatia

**PRODUCT NAME,MODEL AND SPECIFICATION**

Rotary Cam Switches

GF ； See the Appendix

**STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS**

GB/T 14048.3-2017

This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification(REFNO. CNCA-C03-02:2024).

**Valid from:** Jul.26,2024     **Valid until:** Jul.25,2029

The certificate information and validity could be checked by scanning the QR code below or logging in to the website of the issuing authority, or on the website of the CNCA (www.cnca.gov.cn).

SIGNATURE: 谢肇煦

CQC 中国质量认证中心
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GF
  (Uimp):4kV;
  (Ui)：480V;
  (Ue): AC480V;
  (Ith): 10A(GF10/GF10H),20A(GF20/GF20H);
  (Ie): 10A(GF10/GF10H),20A(GF20/GF20H);
  (Iq)：3kA,5kA,10kA(GF10/GF10H),
3kA,5kA,10kA,25kA(GF20/GF20H);
  (Icw): 250A/1s;
  (Icm)(peak): 400A(GF10/GF10H),850A(GF20/GF20H);
AC-21A;
IP20

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```
7 GF 10  U  XXX  U  28  Ntest
A  B  C  D   E   F   G   H
```

A – LOVATO 成品号 LOVATO make-up article type（产品本体上不出现 do not show on the product）

B – 产品系列 series

C – 型号 rating
   10 – Ith = 10A, standard size 面板尺寸 30mm
   10H – Ith = 10A, big size 大面板尺寸 48mm
   20 – Ith = 20A, standard size 标准面板尺寸 48mm
   20H – Ith = 20A, big size 大面板尺寸 65mm

D – U,K,D,C,E 或其他字母–为客户专属标记，和默认标准化产品在结构和性能上完全一样。
   U,K, D,C,E or other letters – special code for customer, but the same structure and function as normal product.
   空白 blank – 表示标准化产品 standard product

E – 接线方式 Scheme
   详见《Rotary Cam Switches》，从 00 到 999 进行编号。
   Refer to Rotary Cam Switches, from 00 to 999.

F – 安装方式 mounting way
   U – 面板安装 Front mount
   O – 底板安装 Rear mount
   P – 塑壳箱体 Plastic enclosure

G – 选项 Options

空白 blank – 标配 standard

25 – Front mounting with red/yellow handle padlockable in 0 and protection covers. 前面板安装，带红色/黄色手柄，0 位可挂锁，带保护盖

11 - Front mounting with black handle without front plate for hole Ø22 mm fixing 前面板安装，带黑色手柄，无徽板，安装孔Ø22 mm,

12 – Front mounting without front plate with key operation for hole Ø22mm fixing 前面板安装，无徽板，钥匙操作，安装孔Ø22 mm

47 - Snap on front mounting with black handle for hole Ø 22mm fixing 前面板快速安装，带黑色手柄，安装孔Ø 22 mm

48 – Modular service cover for 35mm DIN rail mounting with black handle 35mm 导轨安装，带维护保护罩，带黑色手柄

88 – Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers 底座安装，带红色/黄色手柄，0 位可挂锁，门联锁，带保护罩

4V – Front mounting with 4 screws fixing 前面板安装，4 颗螺丝固定

51 – Front mounting with black handle with IP65 protection 前面板安装，黑色手柄，防护等级 IP65

24 – Front mounting with red/yellow handle not padlockable in 0 and without protection covers. 前面板安装，带红色/黄色手柄，0 位不可挂锁，无保护盖

29 – Front mounting with front plate with key operation for hole Ø 22mm fixing. 前面板安装，带徽板，带钥匙，安装孔 Ø 22mm fixing

29D – Snap on front mounting with key operation for hole Ø 22mm fixing. 前面板快速安装，带钥匙，安装孔Ø 22 mm

06 - Front mounting with black handle padlockable in 0 前面板安装，带黑色手柄，0 位可挂锁

49 - Modular service cover for 35mm DIN rail mounting with key operation 35mm 导轨安装，带维护保护盖，钥匙操作

2 – Switch with extended shaft. Extension of 100mm 带延长杆，长度 100mm

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05 – Switches with locking.In standard manner locking is in "O"-possible in other position, too.The key can be pulled out only in locked position 带锁,"O"位锁闭，可以定义其他位置锁闭。钥匙仅在位置 O 可以拔出。

23 - Switch with padlock. Main switch - black handle and front plate 开关带锁，主开关——黑色手柄和撤板

09 – Rotary cam switch with handle and nut. Mounting in Ø30 mm 凸轮开关带手柄和螺母，Ø30 mm,

10 – Rotary cam switch with key and nut. Mounting in Ø30 mm, locking and pull-out of the key at 90° 凸轮开关带钥匙和螺母，Ø30 mm，90°位置锁闭和钥匙拔出

15 - Mounting with a signal lamp 带信号指示灯

16 – Blockade of positions two hands operating. Without locking and aux contacts 双侧操作锁闭，不带锁和辅助触点

26 - Blockade of positions two hands operating. Locking by one padlock 双侧操作锁闭，挂锁锁闭

17 - Blockade of positions two hands operating. One pair of aux contacts 1NO + 1NC 双侧操作锁闭，一对常开常闭辅助触点

27 – Locking by one padlock. One pair of aux contacts 1NO + 1NC 挂锁锁闭，一对常开常闭辅助触点

18 – Mounting on the rail. Mounting on the rail 35 EN 50022.导轨安装，35mm 导轨 EN50022

20 – Rotary cam switch with handle and front plate , Mounting into Ø22 mm or Ø30 mm, with two screws 凸轮开关，带手柄和撤板，安装孔Ø22 mm 或Ø30 mm，两颗螺丝

28 - Interlocking of anticlockwise rotation 逆时针旋转联锁

29K - Rotary cam switch with key. Quick mounting in Ø 22 mm, switch without front plate 凸轮开关，带钥匙，快速安装，安装孔Ø 22 mm，无前组装

31 - Mounting with four inserted nuts M4 带 4 个 M4 内置螺母

39D - Mounting with two screws (distance 28 mm) 两个螺丝安装（间距 28mm）

39T - Mounting with two screws (distance 30 mm) 两个螺丝安装（间距 30mm）

41 - Rotary cam switch with locking.凸轮开关，带锁

41D - Rotary cam switch with locking. Quick mounting into Ø 22 mm, switch with front plate, lockable handle 凸轮开关，带锁。快速安装，安装孔Ø 22 mm，带撤板，手柄挂锁

41K - Rotary cam switch with locking. Quick mounting into Ø 22 mm, lockable handle, switch without front plate 凸轮开关，带锁。快速安装，安装孔Ø 22 mm，不带撤板，手柄挂锁。

46 - Rotary cam switch with handle and front plate. Quick mounting in Ø 16 mm 凸轮开关，带手柄和撤板，快速安装，安装孔Ø 16 mm

48D - Snap on base mounting for the rail 35 EN 50022. Both the service cover and handle are fixed measure.35mm 导轨安装，带护罩（45mm）和固定长度手柄

56 - Switch with padlock. The same colour of handle and front plate 带锁，手柄和撤板同色

73 - Switch with padlock. Main switch - black handle and front plate 带锁，黑色手柄和撤板

75 – Switch with padlock. Main switch with emergency - red handle, yellow front plate 带锁，主开关，急停，红色手柄，黄色撤板

57 – Door coupling. Door opening in any position. Mounting with 4 screws 门互锁开关，门可在任意位置打开，4 颗螺丝安装

57D – Door coupling. Door opening in any position. Mounting with 2 screws 门互锁开关，门可在任意位置打开，2 颗螺丝安装

58 - Door coupling. Door opening in position "O". Mounting with 4 screws 门互锁开关，门可在位置 O 打开，4 颗螺丝安装

58D - Door coupling. Door opening in position "O". Mounting with 2 screws 门互锁开关，门可在位置 O 打开，2 颗螺丝安装

66 - Rotary cam switch without front plate. Quick mounting into Ø 16 mm 凸轮开关，不带撤板，快速安装，安装孔Ø 16 mm

67 - Rotary cam switch without front plate. Quick mounting into Ø 22 mm 凸轮开关，不带撤板，快速安装，安装孔Ø 226 mm

71 - Push and turn. Quick mounting into Ø 22 mm 压下旋转，快速安装，安装孔Ø 22 mm

72 - Push and turn. Quick mounting into Ø 30 mm 压下旋转，快速安装，安装孔Ø 30 mm

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85 - Door coupling switch with padlock. Padlocking (1-3) only in "O" - door opening in position "O". The same colour of handle and front plate 门互锁开关，带锁，挂锁（1-3）仅在 O 位置门可以打开。手柄和徽板同色

86 - Door coupling switch with padlock. Padlocking (1-3) only in "O" - door opening in position "O". Red handle, yellow front plate 门互锁开关，带锁，挂锁（1-3）仅在 O 位置门可以打开。红色手柄，黄色徽板

98 - Door coupling main switch with emergency off. Padlocking (1-3) only in "O" - door opening in position "O" 门互锁开关，急停，挂锁（1-3）仅在 O 位置门可以打开。

102 – Extension shaft and door coupling. Shaft 100 mm 带 100mm 延长杆，门互锁

102-200 – Extension shaft and door coupling. Shaft 200 mm (for GF20H) 用于 GF20H，带 200mm 延长杆，门互锁

108 - Extension shaft and door coupling. Door opening in position "O", standard version with one module 带延长杆，门互锁，门在位置 O 打开，标准型带一节模块

108D-2 - Extension shaft and door coupling. Door opening in position "O", with two module 带延长杆，门互锁，门在位置 O 打开，带两节模块

108D-3 - Extension shaft and door coupling. Door opening in position "O", with three modules 带延长杆，门互锁，门在位置 O 打开，带三节模块

108D-4 - Extension shaft and door coupling. Door opening in position "O", with four modules 带延长杆，门互锁，门在位置 O 打开，带四节模块

H – 徽板字符（以字母 N 开头），默认空白 title of the front panel ("N" is required), default is blank.

注：GF20U178U ＝ GF2090U+客户定制化徽板图样，实物结构和功能与 GF2090U 完全相同。
Note: GF20U178U ＝ GF2090U + customized label, same structure and function as GF2090U.

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