SHENYANG BLUELIGHT NEW GENERATION TECHNOLOGY CO., LTD.

No. 99A-31 (Gate 1, Gate 2) and No. 33 (Gate 1, Gate 2), Chuangxin 1st Road, Hunnan District, Shenyang City, Liaoning Province, P.R. China

SHENYANG BLUELIGHT NEW GENERATION TECHNOLOGY CO., LTD.

No. 99A-31 (Gate 1, Gate 2) and No. 33 (Gate 1, Gate 2), Chuangxin 1st Road, Hunnan District, Shenyang City, Liaoning Province, P.R. China

Lift safety protection component

Programmable electronic system in safety-related applications

Programmable electronic system in safety-related applications for lifts (PESSRAL)

SJT-ZPC-P1A

ETC21F360039 ETC23F360YZ042(1)

After type test, it is confirmed that the product complies with the requirements of TSG T7007-2022 GB/T 7588.1-2020 GB/T 7588.2-2020 ISO 8100-1:2019 ISO 8100-2:2019 EN 81-20:2020 EN 81-50:2020 GB/T 20438-2017 GB 28526-2012 GB/T 35850.1-2018 IEC 61508:2010 IEC 62061:2021 ISO 22201-1:2017.

Applicable product model(s) of the certificate SJT-ZPC-P1A SJT-ZPC-P1B SJT-ZPC-P2A SJT-ZPC-P2B

See appendix for applicable product parameters and configuration of the certificate.

<table>
<tr><td rowspan="8">Major parameters</td><td>Hardware model and version</td><td colspan="3">SJT-ZPC-P1A 3150200001 SJT-ZPC-P1B 3150200002 SJT-ZPC-P2A 3150200003 SJT-ZPC-P2B 3150200004</td></tr>
<tr><td>Software model and version</td><td colspan="3">21010000_010 (for SJT-ZPC-P1A and SJT-ZPC-P2A)
21010001_011 (for SJT-ZPC-P1B and SJT-ZPC-P2B)</td></tr>
<tr><td>Programmable electronic device type</td><td colspan="3">MCU</td></tr>
<tr><td>Programmable electronic device model</td><td colspan="3">STM32F103C8 or GD32C103C8 or GD32C103CB or GD32FCESCB or APM32F103C8 or APM32F103CB or APM32E103CC or APM32E103CE</td></tr>
<tr><td>Working condition</td><td colspan="3">-20 ~+65 , humidity less than 95%, no water drop</td></tr>
<tr><td>Working voltage</td><td colspan="3">DC24V</td></tr>
<tr><td>Pollution degree</td><td colspan="3">3</td></tr>
<tr><td colspan="4">2 Leveling switches, 1 PCB (SJT-ZPC-P1A or SJT-ZPC-P1B or SJT-ZPC-P2A or SJT-ZPC-P2B)</td></tr>
<tr><td rowspan="3">System composition</td><td rowspan="2">Installation position of detecting element</td><td rowspan="2">Car roof, control cabinet, well</td><td>Stopping distance from the landing where the unintended car movement has been detected</td><td>≤ 150mm</td></tr>
<tr><td>Working environment</td><td>Normal indoor environment</td><td>Response time</td><td>PCB:
≤ 10ms</td></tr>
<tr><td>Stopping subsystem can be fitted</td><td colspan="3">The stopping element of the means can act on:
1.The car, or the counterweight
2.The rope system (suspension or compensating)
3.The traction sheave, or the same shaft as the traction sheave provided the shaft is only statically supported in two points</td></tr>
<tr><td colspan="3">Safety Function</td><td>Safety Integrity Level</td></tr>
<tr><td>1</td><td colspan="2">Detection of unintended car movement with open doors</td><td>SIL2</td></tr>
<tr><td>2</td><td colspan="2">Check on levelling, re-levelling and preliminary operations</td><td>SIL2</td></tr>
<tr><td colspan="4">Non-safe function</td></tr>
</table>

1	Checking door contact circuits (checking closed position of car door, the electric safety device checking locked position of landing door locking device)

Main component list input subsystem

2 Leveling switches:

No.	Manufacturer	Type	Response time
1	Shanghai Fuxiang electromechanical	FX-T121/FX-T121E	≤ 1.8ms
2	Changchun Huitong photoelectric	SGD31-GG-TZ2B2	

1

No.!	Description	Before change!	After change!	Date of change!
3				