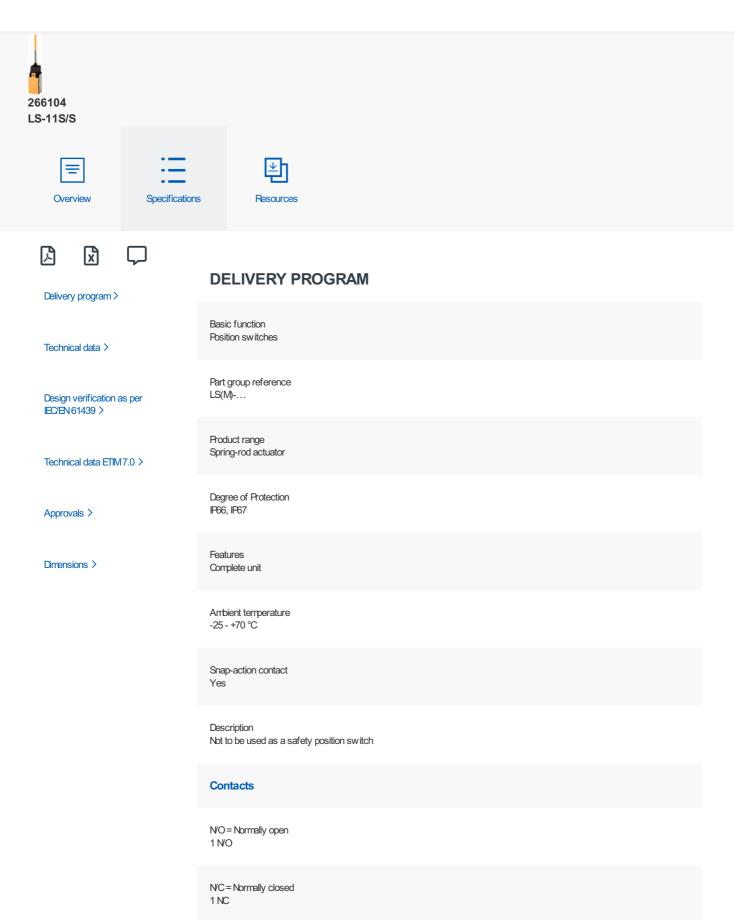
WORLDWDE English ~





Contact sequence $-\frac{13}{14}$ $\frac{12}{22}$

Contact travel = Contact closed = Contact open

Colour

Enclosure covers Yellow

Enclosure covers



Housing Insulated material

Connection type Cage Clamp

Notes

Cage-Clamp is a registered trademark of Wago Kontakttechnik, 32432 Mnden, Germany. Accessories for the Cage-Clamp terminals from Wago:pow er comb, gray, Wago Article No. 264-402

Rod length 126 mm

Notes

The operating head can be rotated at 90° intervals to adapt to the specified approach direction.

TECHNICAL DATA

General

Standards IEC/EN 60947

Climatic proofing Damp heat, constant, to IEC 60068-2-78; damp heat, cyclical, to IEC 60068-2-30

Ambient temperature -25 - +70 °C Mounting position As required

Degree of Protection IP66, IP67

Terminal capacities Solid 1 x (0.5 - 2.5) mm²

Terminal capacities Hexible with ferrule $1 \times (0.5 - 1.5) \text{ mm}^2$

Repetition accuracy 0.15 mm

Contacts/switching capacity

Rated impulse withstand voltage $\left[U_{mp} \right]$ 4000 V AC

Rated insulation voltage [U] 400 V

Overvoltage category/pollution degree III/3

Rated operational current [le] AC-15 24 V [le] 6 A

Rated operational current [le] AC-15 220 V 230 V 240 V [le] 6 A

Rated operational current [le] AC-15 380 V 400 V 415 V [le] 4 A

Rated operational current [Ie] DC-13 24 V [Ie] 3 A

Rated operational current [le] DC-13 110 V [le] 0.6 A

Rated operational current [le] DC-13 220 V [le] 0.3 A

Control circuit reliability

at 24 V DC/5 mA [H=] $<10^{-7}, <1$ fault in 10^7 operations Fault probability

Control circuit reliability at 5 V DC/1 mA [H-] $<5 \times 10^{6}$, <1 failure at 5 x 10⁶ operations Fault probability

Supply frequency max. 400 Hz

Short-circuit rating to IEC/EN 60947-5-1 max. fuse 6 A gG/gL

Rated conditional short-circuit current 1 kA

Mechanical variables

Lifespan, mechanical [Operations] 8×10^6

Mechanical shock resistance (half-sinusoidal shock, 20 ms) Standard-action contact 25 g

Operating frequency [Operations/h]

Actuation

Mechanical Actuating force at beginning/end of stroke 1.0/8.0 N

Mechanical Actuating torque of rotary drives 0.2 Nm

DESIGN VERIFICATION AS PER IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [[,] $6\,\text{A}$

Heat dissipation per pole, current-dependent $[\mathrm{P}_{\mathrm{vid}}]$ 0.17 W

Equipment heat dissipation, current-dependent $[\mathrm{P}_{\mathrm{vid}}]$ 0 W

Static heat dissipation, non-current-dependent $[\mathsf{P}_{\mathsf{vs}}]$

0 W

Heat dissipation capacity $[P_{\text{diss}}]$ 0 W

Operating ambient temperature min. -25 $^\circ\mathrm{C}$

Operating ambient temperature max. +70 °C

IEC/EN 61439 design verification

10.2 Strength of materials and parts10.2.2 Corrosion resistanceMeets the product standard's requirements.

10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosuresMeets the product standard's requirements.

10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heatMeets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements.

10.2 Strength of materials and parts10.2.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.7 Inscriptions Meets the product standard's requirements.

10.3 Degree of protection of ASSEVBLIES Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances Meets the product standard's requirements.

10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections Is the panel builder's responsibility.

10.8 Connections for external conductors Is the panel builder's responsibility.

10.9 Insulation properties 10.9.2 Pow er-frequency electric strength Is the panel builder's responsibility.

10.9 Insulation properties10.9.3 Impulse withstand voltageIs the panel builder's responsibility.

10.9 Insulation properties10.9.4 Testing of enclosures made of insulating material Is the panel builder's responsibility.

10.10 Temperature rise The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 Mechanical function The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

TECHNICAL DATA ETIM 7.0

Sensors (EG000026) / End switch (EC000030)

Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Position switch / Position switch (Type 1) (ecl@ss10.0.1-27-27-06-01 [AGZ382015])

Width sensor 31 mm

Diameter sensor 0 mm

Height of sensor 61 mm Length of sensor 33.5 mm

Rated operation current le at AC-15, 24 V $6\,\mathrm{A}$

Rated operation current le at AC-15, 125 V $6\,\mathrm{A}$

Rated operation current le at AC-15, 230 V $6\,\mathrm{A}$

Rated operation current le at DC-13, 24 V 3 A

Rated operation current le at DC-13, 125 V 0.8 A

Rated operation current le at DC-13, 230 V 0.3 A $\,$

Switching function Quick-break switch

Switching function latching No

Output electronic No

Forced opening No

Number of safety auxiliary contacts 1

Number of contacts as normally closed contact 1

Number of contacts as normally open contact 1

Number of contacts as change-over contact 0

Type of interface None

Type of interface for safety communication None

Construction type housing Quboid Material housing Plastic

Coating housing Other

Type of control element Spring-rod

Alignment of the control element Other

Type of electric connection Other

With status indication No

Suitable for safety functions Yes

Explosion safety category for gas None

Explosion safety category for dust None

Ambient temperature during operating 25 - 70 $^{\circ}\mathrm{C}$

Degree of protection (IP) IP67

Degree of protection (NEVA) 4X

APPROVALS

Product Standards IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14; CE marking

UL File No. E29184

UL Category Control No. NKCR

CSA File No. 12528

CSA Class No.

3211-03

North America Certification UL listed, CSA certified

Degree of Protection IEC: IP66, 67, UL/CSA Type 3R, 4X (indoor use only), 12, 13

DIMENSIONS



□ Tightening torque of cover screws: 0.8 Nm±0.2 Nm
□ only with LS (insulated version)
□ Fixing screws 2 x M4 □ 30
M_A = 1.5 Nm





