DATASHEET

SCHMERSAL
THE DNA OF SAFETY



ZK 335-11Z-M20

- Metal enclosure
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- 40,5 mm x 76 mm x 38 mm
- Actuator heads can be repositioned by 4 x 90°
- Design to EN 50041
- Actuation from bottom parallel to the switch, therefore only suitable for small housings.

Data

Ordering code

Predecessor part number	101168111
Product type description	ZK 335-11Z-M20
Article number (order number)	151168111
eCl@ss number, version 12.0	27-27-26-01
eCl@ss number, version 11.0	27-27-26-01
eCl@ss number, version 9.0	27-27-26-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Approvals - Standards

Certificates	cULus
	CCC

General data

Housing construction form	Norm construction design
Housing material	Light alloy die-casting
Housing coating material	painted
Gross weight	200 g

General data - Features

Safety functions	Yes

Safety classification

Standards	EN IEC 60947-5-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B10D Normally-closed contact (NC)	20,000,000 Operations

Mechanical data

Actuating element	Angle roller lever
Mechanical lifetime, minimum	30,000,000 Operations
Actuating force, minimum	17 N
Actuating speed, maximum	0.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable section, minimum	0.75 mm^2
Cable section, maximum	2.5 mm^2
Note	All indications including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	38 mm
Width of sensor	58.3 mm
Height of sensor	121.5 mm

Ambient conditions

IP Degree of protection	IP67
	IP65
Ambient temperature	-30 ... +80 °C

Ambient conditions - Insulation values

Rated impulse withstand voltage Uimp	6 kV

Electrical data

Thermal test current	10 A
Required rated short-circuit current	1,000 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	4 A
Switching element	1 NO contact, 1 NC contacts
Switching principle	Snap action
Maximum switching frequency	5,000 /h
Material of the contacts, electrical	Silver

Pictures

Product picture (catalogue individual photo)



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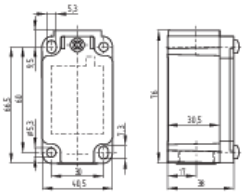
| 26.42 KB | .jpg | 350 x 350 Pixel
| 3.25 KB | .png | 210 x 210 Pixel

Dimensional drawing basic component



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| 4.51 KB | .png | 210 x 146 Pixel

Diagram



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| 2.58 KB | .png | 210 x 85 Pixel

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.
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