



PS315-Z11-STM-H300

- Metal enclosure
- Simple and quick to adjust the control elements by 45°.
- Design to EN 50041
- LED version available

Data

Ordering data

Product type description	PS315-Z11-STM-H300
Article number (order number)	103032777
EAN (European Article Number)	4030661529820
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 UKCA
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General data

Standards	EN IEC 60947-5-1
Housing construction form	Norm construction design
Actuator type to EN 50041	A

Housing material	Metal, zinc die-cast
Housing coating material	painted
Gross weight	433 g

General data - Features

Safety functions	Yes
Number of auxiliary contacts	1
Number of safety contacts	1

Safety classification

Standards	EN ISO 13849-1
B _{10D} Normally-closed contact (NC)	20,000,000 Operations
Mission time	20 Year(s)

Mechanical data

Actuating element	Roller lever H300
Roller material	Plastic
Mechanical life, minimum	10,000,000 Operations
Positive break force, minimum	50 N
Actuating speed, minimum	10 mm/min
Actuating speed, maximum	1 m/s
Tightening torque of the fixing screws	2 Nm
Tightening torque of the fastening screws for the housing cover	2.6 Nm

Mechanical data - Connection technique

Termination	Connector plug M12, 4-pole
Material of the connector (electrical)	Metal film
Cable section, minimum	0.34 mm²
Cable section, maximum	1.5 mm²

Tightening torque of electrical connection, minimum	0.6 Nm
Tightening torque of electrical connection, maximum	0.8 Nm
Note (Cable entry)	Settle length of the conductor: 5...6mm

Mechanical data - Dimensions

Length of sensor	37 mm
Width of sensor	41 mm
Height of sensor	137 mm

Ambient conditions

Degree of protection	IP66 IP67
Ambient temperature	-30 ... +80 °C
Protection class	I

Ambient conditions - Insulation values

Rated insulation voltage U_i	50 VAC 24 VDC
Rated impulse withstand voltage U_{imp}	0.8 kV
Degree of pollution	3

Electrical data

Thermal test current	4 A
Required rated short-circuit current	400 A
Utilisation category AC-15	50 VAC
Utilisation category DC-13	24 VDC
Utilisation category DC-13	3 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

Ordering code

Product type description:

PS(2)-(3)-(4)-(5)-(6)-(7)-(8)-(9)-(10)-(11)-(12)

(2)

315	Metal enclosure
316	Thermoplastic enclosure

(3)

without	L-hole (standard)
L	elongated hole

(4)

Z11	Snap action 1 NO contact / 1 NC contact
Z02	Snap action 2 NC contacts
Z12	Snap action 1 NO contact / 2 NC contact
Z11R	Snap action 1 NO contact / 1 NC contact with latching
Z01R	Snap action 1 NC contact with latching
Z02R	Snap action 2 NC contacts with latching
T11	Slow action 1 NO contact / 1 NC contact
T02	Slow action 2 NC contacts
T20	Slow action 2 NO contact
T12	Slow action 1 NO contact / 2 NC contact
T21	Slow action 2 NO contact / 1 NC contact
T03	Slow action 3 NC contacts
T11UE	Slow action 1 NO contact / 1 NC contact with overlapping contacts
T02H	Slow action 2 NC contacts with staggered contacts
T11K	Slow action 1 NO contact + 1 NC contact - short-stroke
T10	Slow action 1 NO contact
T02K	Slow action 2 NO contacts short-stroke
T20H	Slow action 2 NO contacts staggered

(5)

without	Contacts silver plated (Standard)
A1	Gold contacts 0,3 µm
A2	Gold contacts 1,0 µm
A3	Gold contacts 3,0 µm
(6)	
without	without indication light
G	integrated status display
(7)	
without	Cable entry M20
ST	Connector plug M12 - plastic - bottom
STM	Connector plug M12, metal
(8)	
S200	plunger S200 Ø 6 mm
S300	Plunger - plastic - tappet width Ø 9 mm
S310	Plunger - plastic - tappet width Ø 9 mm - with bellows
R300	Roller plunger - plastic roller - width 4.6 mm
R302	Roller plunger - brass roller - width 4.6 mm
R310	Roller plunger - plastic roller - width 4.6 mm
K360	Angle roller lever with plastic roller Ø 20 mm - left-bent
K370	Angle roller lever with plastic roller Ø 20 mm - right-bent
H300	Roller lever - plastic roller Ø 25 mm
H301	Roller lever - stainless steel roller Ø 25 mm
H302	Roller lever - brass roller Ø 25 mm
H310	Roller lever - plastic roller Ø 20 mm
H311	Roller lever - stainless steel roller Ø 20 mm
H312	Roller lever - brass roller Ø 20mm
H326	Roller lever - rubber roller Ø 20mm
H330	Roller lever
N300	Roller lever - plastic roller Ø 25 mm
N301	Roller lever - stainless steel roller Ø 20 mm

N306	Roller lever - rubber roller Ø 50mm
N360	Roller lever - plastic roller Ø 20 mm - width 9.8 mm - 24 to 116 mm long
N370	Roller lever - plastic roller Ø 20 mm - width 9.8 mm - 128 - 168 mm long
J300	Rod lever - plastic - 200mm -Ø 6mm
F230	Spring rod - stainless steel - 150.4 mm
F231	Spring rod - stainless steel - 70.2 mm
A200	Special actuating bolt - plastic - valve control

(9)

without	no intent rotation (Standard)
U1	intent rotation 45°
U2	intent rotation 90°
U3	intent rotation 135°
U4	intent rotation 180°
U5	intent rotation 225°
U6	intent rotation 275°
U7	intent rotation 315°

(10)

without	no lever rotation (Standard)
X1	lever rotation 15°
X2	lever rotation 30°
X3	lever rotation 45°
X4	lever rotation 60°
X5	lever rotation 75°
X6	lever rotation 90°
X7	lever rotation 105°
X8	lever rotation 120°
X9	lever rotation 135°
X10	lever rotation 150°
X11	lever rotation 165°
X12	lever rotation 180°

X13	lever rotation 195°
X14	lever rotation 210°
X15	lever rotation 225°
X16	lever rotation 240°
X17	lever rotation 255°
X18	lever rotation 270°
X19	lever rotation 285°
X20	lever rotation 300°
X21	lever rotation 315°
X22	lever rotation 330°
X23	lever rotation 345°

(11)

without	Roller outside (Standard)
I	Roller inside

(12)

without	-30...+80°C (Standard)
T	-40...+80°C

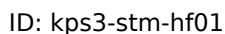
(13)

(14)

without	Zone 2 and 22
3GD	Zone 2 and 22
2D	Zone 21
3D	Zone 22

Pictures

Product picture (catalogue individual photo)



| 82.7 kB | .png | 74.083 x 151.342 mm - 210 x 429 px - 72 dpi

| 26.5 kB | .jpg | 60.325 x 123.472 mm - 171 x 350 px - 72 dpi

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ID: kps3xg11

| 143.6 kB | .jpg | 352.778 x 330.553 mm - 1000 x 937 px - 72 dpi

Technical drawing of the 3000 series power tool, showing front and side views with dimensions:

- Front View Dimensions:
 - Top diameter: $\varnothing 25$
 - Height from base to top: 37.5
 - Height from base to bottom: 34.8
- Side View Dimensions:
 - Overall length: 55.3
 - Height from base to top: 33.8
 - Height from base to bottom: 16.7
 - Height from base to top of handle: 8.5

ID: kps3xb03

| 126.0 kB | .ai | 152.929 x 116.769 mm - 433 x 331 px - 72 dpi

| 5.4 kB | .png | 74.083 x 56.797 mm - 210 x 161 px - 72 dpi

| 150.2 kB | .jpg | 352.778 x 271.639 mm - 1000 x 770 px - 72 dpi

ID: kps31s18

| 2.8 kB | .png | 74.083 x 39.864 mm - 210 x 113 px - 72 dpi

| 94.2 kB | .jpg | 352.778 x 190.147 mm - 1000 x 539 px - 72 dpi

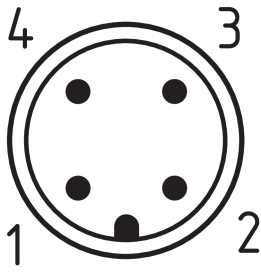
(3) 13 ——— 14 (4)
(1) 21 ——— 22 (2)

ID: kps2xk01

| 58.0 kB | .jpg | 352.778 x 111.478 mm - 1000 x 316 px - 72 dpi

| 2.7 kB | .png | 74.083 x 23.283 mm - 210 x 66 px - 72 dpi

Contact arrangement



ID: km12-k4c

| 4.2 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 113.3 kB | .jpg | 352.778 x 352.778 mm - 1000 x 1000 px - 72 dpi

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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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