



SP, UP, MP
 ST, UL, MT
 SO, UM, MO
 MPR, MTR

REGADA

VARIANT (Notrep)

15150-69

- 1) " " -
- 2) " " -
- 3) " " -
- 4) " " -

12 944. "C4" - .3) EN ISO

M T .1)

II- M T IV III -

IEC 60364-3:1993

REGADA

25° AA7*

+55° 8*

-50° +40° 10-100%, 27°C 8*

0,028 1 7*

-25°C +55°C 15-100%, 33°C 8*

0,036 1 -50°C +40°C 86 kPa AC1*

2000 m, 108 kPa AD4*, AD5*

IP 4 IP 5) AD7*

IPx7) AD7*

350 mg/m³, 1000 mg/m³ AE 5*, AE6* AE 5*

EEx AE 5* AF2*

(EEx).....AF3*

.....AF4*

0,15 mm f<f_p 10 150 , 19,6 m/s²

f>f_p (57 62Hz) AH2*
 AG2*
 AK2*
) AL2*

() 400 /m AM2*
 > 500 AN2*
 >300 Gal 600 Gal AP3*
 AQ2*
 AR 3, AS 3*
 () ... BC3*
 BE 1*
 (x) BE3N2*

IEC 60364-3:1993.

(EN 60 529)

SP Mikro	IP 65
ST Mini	IP 67, IP 68 ¹⁾
SP 0, ST 0	IP 54 IP 67, IP 68 ¹⁾
SP 0.1, ST 0.1, ST 1, ST 2	IP 65 IP 67, IP 68 ¹⁾
SP 1, SP 2, SP 2.3, SP 2.4, SO 2	IP 67, IP 68 ¹⁾
MPR	IP 67
MO 3, MO 3.4, MO 3.5, MO 4, MO 5, MT 3, MTR	IP 55, IP 67
UP 1 ... UP 2.5, UM 1, UM 2, UL 0, UL 1, UL 2	IP 66 / IP 68 ²⁾

1) IP 68 - 10 / 48
 2) IP 68 - 10 / 96

SP, SO, ST, UP, UM, UL -

MP, MO, MT -

(IEC 60034-1.8)

S2-10(15)
 S4-25%, 6 90 /
 S4-25%, 90 1200 /

e ± 10 %
 50 Hz 60 Hz ± 2%

60 1,2 (1,2 (SP, MP)
 ST, MT, MO).

..... GLEIT-m HF 401 (SP, ST, SO)
 PP80 (MP, MO, MT)
 GLEIT-m HF 401
 GLEIT-m HP 520M
 « » GLEIT- HP 571-2

29 . SP 2.4 ,
 34 . SP 3.5 ,

- _____ :
- _____ (XC):
- MP, MT, MO 3, MO 3.4, MO 3.5 M25x1,5;
 12,5 19 mm
- MO 4, MO 5 M32x1,5; 15 21 mm

1. _____
2. _____ EN 61010-1+A2
3. _____ II (_____)
 _____ (_____)

50	1°
1 200	1,5°
4 500	0,25 mm
12 000	0,5 mm
12 000	1 mm

5%- /

- SP (0% 100%) MO.
- ST, MT. 0% 100%

	[kg]		[kg]
SP Mikro	1.4 - 2	ST 1	8.5 - 13
SP 0	1.4 - 2.55	ST 2	17 - 23
SP 0.1	3.2 - 5.2	UL 0	6.5 - 8.5
SP 1	6.5 - 10	UL 1	16 - 19.5
SP 2	12 - 19	UP 2	26 - 34.2
SP 2.3	15 - 20	MT 3	30 - 35
SP 2.4	21 - 22	MTR	27 - 46
UP 1	14 - 15	SO 2	12 - 20
UP 2	20 - 24	UM 1	14 - 15
UP 2.4	29 - 33	UM 2	20 - 24
UP 2.5	48 - 52	MO 3	33 - 38
MPR	27 - 34.5	MO 3.4	42 - 57
ST Mini	3.3 - 3.7	MO 3.5	51 - 76
ST 0	2.5 - 4.5	MO 4	38 - 50
ST 0.1	5.4 - 8	MO 5	93.5 - 103

0.6 . SP 2.3 ,
 20 .

DB6 ¹⁾	250 V AC, 100 mA 6 A - 2 A, cosj=0,6; 24 V DC 48 V DC, 20 mA 1 A, T=L/R=3ms; 20 V.	SP 0, SP 1-2.4, ST MINI, ST 0, ST 0.1, ST 1, ST 2, MO 3, MO 3.4, MO 3.5, MO 4, MO 5, SO 2, MT 3, MTR, UP 0, UL 0
DB3 ²⁾	max. 250 VAC; 1 mA 0,1(0,05) A; 24 V a 48 VDC, od 1 mA 0,1 A; T=L/R=3 msek.	MT 3, MTR, UP 0, UL 0
D38 ¹⁾	250 V AC, od 20 mA do 16 A 4 A, cosj=0,6; 24 V DC 48 V DC, 20 mA 2 A, T=L/R=3ms; 20 V.	SP 0.1, SO 2, UP 1, UP 2, UP 2.4, UP 2.5, UM 1, UM 2, UL 1, UL 2,
D41 ²⁾	0,1 (0,05) A, max. 250 VAC; 0,1 / 24 VDC; T=L/R=3ms 5 mA	

DC-

- 1)
- 2)

	± 1°	15°
	± 0,5	1
	± 5%	15%

SP 0, SP 0.1, SP 1 ST 0, ST 0.1, ST 1	10 W
SP 2, SP 2.3, SP 2.4, SP 3, SP 3.4, SP 3.5 SO 2, ST 2	20 W
MPR, MO 3, MO 3.4, MO 3.5 MT 3, MTR	35 W
MO 5	2 x 20 W

..... +20 ± 3°
 +30 ± 3°

REGADA

..... 100 m
 0.5 W +40°
 0.4 W +55°
 0.3 W +70°C
 35 m
 120 V DC/AC U=0PxR
 ±2.0 [%]¹⁾
 1.5 [%]¹⁾

:"O" † 93%
 "O" () † 85%
 "Z" † 5%

CPT

2- ()
 4 - 20 m (DC)
 18 28 V DC
 0 - 500 W
 0.1% / 100 W
 ±0.5% / 10 K
 50 m

:"O" 20 m
 "Z" 4 m

2- ()
 4 - 20 m (DC)
 18 28 V DC
5%
 0 - 500 W
 0.05% / 1V

:"O" 20 m
 "Z" 4 m

"O" ±0.1 m
 "Z" +0.2 m

..... ±1.2 [%]¹⁾
0.6 [%]¹⁾

(EPV)- R/I
 2- ()
 4 - 20m DC
 15 - 30 V DC
 R_L=(U_n-9V)/0.02A [W]
 (U_n- [V])
 ±1.5 [%]¹⁾
 1.5 [%]¹⁾

:"O" 20 m
 "Z" 4 m

"O" ±0.1 m
 "Z" +0.2 m

3- ()
 0 - 20 m DC
 4 - 20 m DC
 0 - 5 m DC
 100 W 10000 W
 ()
 24 V DC 1.5%
 3 W
 ±1.5 [%]¹⁾
 1.5 [%]¹⁾

:"O" 20 m 5 m
 "Z" 0 m 4 m

"O" ±0.1 m
 "Z" +0.2 m

1)
 :
 ZPT01AAB.



"X"

: SP 1, 281, 281.1-01BFA/04

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-
-
-
-
-

90° 90 Nm, , IP 67 1
 , 220 V AC -L
 20s/90° 1
 B
 1x2000W F
 F05/F07 (ISO 5211), D14, 14 x 14 /04

MO, MP, MT), "

- Z1a+Z11a+Z5a - SP 1, 281.1-01BFA/04,

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IEC 60654 IEC 60654-3.

(.80%.), 10 +50

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