



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/m<sup>3</sup>, 1000 mg/m<sup>3</sup> AE 5\*, AE6\* AE 5\*

EEx AE 5\* AF2\*

( EEx ).....AF3\*

.....AF4\*

0,15 mm f<f<sub>p</sub> 10 150 19,6 m/s<sup>2</sup>

f>f<sub>p</sub> ( 57 62Hz) ..... AH2\* AG2\* AK2\* AL2\*

ST 0) ( f<sub>p</sub> )

( ) 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 <sup>1)</sup>
SP 0, ST 0	IP 54 IP 67, IP 68 <sup>1)</sup>
SP 0.1, ST 0.1, ST 1, ST 2	IP 65 IP 67, IP 68 <sup>1)</sup>
SP 1, SP 2, SP 2.3, SP 2.4, SO 2	IP 67, IP 68 <sup>1)</sup>
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 <sup>2)</sup>

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 /

± 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	5°
12 000	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 .  
 20 . SP 2.3 ,

<b>DB6</b> <sup>1)</sup>	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
<b>DB3</b> <sup>2)</sup>	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.	SP 0.1, SO 2, UP 1, UP 2, UP 2.4, UP 2.5, UM 1, UM 2, UL 1, UL 2,
<b>D38</b> <sup>1)</sup>	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.	
<b>D41</b> <sup>2)</sup>	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 [%]<sup>1)</sup>  
 ..... 1.5 [%]<sup>1)</sup>

:"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 [%]<sup>1)</sup>  
 ..... 0.6 [%]<sup>1)</sup>

(EPV)- R/I  
 2- ( )  
 ..... 4 - 20m DC  
 ..... 15 - 30 V DC  
 ..... R<sub>L</sub>=(U<sub>n</sub>-9V)/0.02A [W]  
 (U<sub>n</sub>- [V])  
 ..... ±1.5 [%]<sup>1)</sup>  
 ..... 1.5 [%]<sup>1)</sup>

:"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 [%]<sup>1)</sup>  
 ..... 1.5 [%]<sup>1)</sup>

:"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

- 
- 
- 
- 
- 
- 
- 

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

MO, MP, MT), "

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

- 
- 
- 

IEC 60654 IEC 60654-3.

( .80%. ), 10 +50

).