

Regada					02
					02
					03
					05
					05
					05
		[Nm]		[s/90°]	
			*		
SP 0	280	-	40	15 - 160	06
SP 0.1	331	-	50	10 - 160	12
SP 1	281	90	80	10 - 80	18
SP 2	282	145	125	5 - 80	20
SP 2.3	283	290	250	20 - 160	22
SP 2.4	284	575	500	40 - 160	24
MPR	52 220	125	100	8 - 32	34
		[Nm]		[min <sup>-1</sup> ]	
			*		
SO 2	062	100	85	10 - 40	38
MO 3	52 000	200	160	10 - 63	46
MO 3.4	105	350	280	10 - 80	54
MO 3.5	095	550	440	25 - 40	60
MO 4	154	400	-	10 - 50	66
MO 5	155	1 000	800	15 - 100	74
E		[N]		[mm/min]	
			*		
ST Mini	472	1 100	1 000	5 - 40	80
ST 0	490	4 500	4 000	4 - 40	84
ST 0.1	498	7 200	6 300	10 - 63	92
ST 1	491	10 000	8 700	8 - 80	100
ST 2	492	25 000	21 500	10 - 120	106
MT 3	52 400	36 000	28 800	32 - 125	112
MTR	52 420	25 000	20 000	32 - 100	120

\*



SP, MP .....  
 ST, MT .....  
 SO, MO .....  
 MPR, MTR .....

**REGADA**

VARIANT ( Notrep)

**15150-69**

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

( "C4" - .3)  
 12 944.

EN ISO

M T .1)

II- M T

IV

III

IEC 60 364-3:1993

**REGADA**

25° ..... AA7\*  
 +55° .....  
 -50° ..... 8\*  
 +40° .....  
 0,028 10-100%, ..... 27°C  
 -25°C +55°C ..... 7\*  
 0,036 15-100%, ..... 33°C  
 -50°C +40°C ..... 8\*  
 2000 m, ..... 86 kPa  
 108 kPa ..... AC1\*  
 IP 4 IP 5) ..... AD4\*, AD5\*  
 IPx7) ..... AD7\*  
 350 mg/m<sup>3</sup>, ..... 1000 mg/m<sup>3</sup> ( AE 5\*, AE6\*  
 IP5 , IP6 ) ..... AE 5\*  
 EEx .....  
 ); AF2\*

( ..... EEx ) ..... AF3\*  
 ..... AF4\*  
 10 150 ,  
 19,6 m/s<sup>2</sup>  
 0,15 mm f<f<sub>p</sub>  
 f>f<sub>p</sub> ( 57 62 Hz) ..... 9,8 m/s<sup>2</sup> ST 0) ( f<sub>p</sub> ..... AH2\*  
 ..... AG2\*  
 ..... AK2\*  
 ) ..... AL2\*  
 ( ) 400 /m ..... AM2\*  
 > 500  
 ± 700 W/m<sup>2</sup> ..... AN2\*  
 >300 Gal 600 Gal ..... AP3\*  
 ..... AQ2\*  
 ..... AR 3, AS 3\*  
 ( ) ... BC3\*  
 ..... BE 1\*  
 ( x ) ..... BE3N2\*  
 IEC 60 364-3:1993.

**(EN 60 529)**

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>
ST Mini, SP 1, SP 2, SP 2.3, SP 2.4	IP 67, IP 68 <sup>1)</sup>
SO 2, SP3, SP 3.4, SP 3.5, MPR	IP 67
MO 3, MO 3.4, MO 3.5, MO 4, MO 5, MT 3, MTR	IP 55 IP 67

<sup>1)</sup> IP 68 - 10 / 48

80%

SO, SP ST -  
 MP, MO, MT -

( IEC 60034-1.8)

S2-10 :  
 - 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

SP 0,1	16 (4) A	250 V AC	100 mA	20 V AC/DC
SP 3				
SP 3.4	0.1 A	250 V DC		
SP 3.5				
SO 2 *	2 A	24 V DC	100 mA	20 V AC/DC
SO 2**	2 A	250 V AC		
+	0.1 A	250 V DC		
	2 A	24 V DC		

DC-

\* SO2  
 \*\* SO2

- MP, MT, MO 3, MO 3.4, MO 3.5, MO4 M25x1,5;  
 12,5 19 mm  
 - MO 5 M32x1,5; 15 21 mm

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

	± 1°	15°
	± 0,5	1
	± 5%	15%

50	1°
1 200	1,5°
	5°
4 500	0.25 mm
12 000	0.5 mm
12 000	1 mm

5%-

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

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

..... +20 ± 3°  
 ..... +30 ± 3°

	[ ]		[ ]
SP Mini	1.4 - 2	ST Mini	3.3 - 3.7
SP 0	1.4 - 2.55	ST 0	2.5 - 4.5
SP 0.1	3.2 - 5.2	ST 0.1	5.4 - 8
SP 1	6.5 - 10	ST 1	8.5 - 13
SP 2	12 - 19	ST 2	17 - 23
SP 2.3	15 - 20	MT 3	30 - 35
SP 2.4	21 - 22	MTR	27 - 46
SP 3	22 - 22.5	SO 2	13 - 20
SP 3.4	36 - 37.5	MO 3	26.5 - 38
SP 3.5	50 - 57.5	MO 3.4	42 - 57
MPR	27 - 34.5	MO 3.5	51 - 76
		MO 4	38 - 50
		MO 5	93.5 - 103

- 0.6 . SP 2.3
- 20 . SP 2.4
- 29 . SP 3.5
- 34 .

, 50 Hz				
[W]	[min <sup>-1</sup> ]	[V]	[ ]	[mF/V]
0.35	300	230	0.005	0.047/400
1	300		0.025	0.165/400
2.75	375		0.040	0.27/500
3.54	250		0.045	0.27/500
4.7	375		0.051	0.33/500
7.3	375		0.078	0.47/500
13.8	375		0.135	0.82/500
0.35	300	24	0.06	4/63
1	300		0.25	12/63
2.75	375		0.40	25/63
3.54	250		0.45	25.8/63
4.7	375		0.51	30/63
7.3	375		0.78	46/63
13.8	375		1.35	82/63
, 50Hz				
[W]	[min <sup>-1</sup> ]	[V]	[ ]	[mF/V]
4	1 270	24	1.3	150/63
15	2 750	24	1.6	150/63
4 <sup>1)</sup>	1 270	230	0.14	2.2/400
15 <sup>1)</sup>	2 750		0.18	2.2/400
20 <sup>1)4)</sup>	1 350		0.50	7/400
60 <sup>1)4)</sup>	2 770		0.70	7/400
120	2 620		1.0	8/450
16 <sup>2)5)</sup>	1 150		0.31	2/400; 2.5/400
25 <sup>2)5)</sup>	1 250	0.41	2.5/400; 3.5/400	
15 <sup>1)</sup>	2 680	3x400	0.1	-
90 <sup>1)4)</sup>	2 740		0.35	-
120	1 350		0.42	-
180 <sup>6)</sup>	2620		0.6	-
180	850		0.72	-
180	1 350		0.58	-
250	1 350		0.77	-
370	1 370		1.06	-
370 <sup>3)</sup>	2 740		1.0	-
550	910		1.6	-
600	1 340		1.64	-
750	1 395		1.91	-
940	2 735		2.25	-
1 250	1 340		3.1	-
1 450	2 820	3.3	-	
[W]	[min <sup>-1</sup> ]	[V]	I <sub>N</sub>	I <sub>Z</sub>
1.92	3 700	24	0.26	0.76
20	3 200	24	1.8	3
65	2 800	24	5	7
120 <sup>6)</sup>	3 800	24	8	10

1) MPR MTR  
2) MT 3  
3) MT 3  
4) 0.1 7 W,  
5) 0.1 10 W,  
6) SO 2

..... 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%

2- ( ..... )  
..... 4 - 20 m (DC)  
..... 0 - 500 W  
..... 0.1%/100  
..... ±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>

2- ( (EPV)- ..... ) R/I  
..... 4 - 20 m DC  
..... 15 - 30 V DC  
..... R<sub>i</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  
..... 100W 10000W  
( ..... )  
..... 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) :  
ZPT 01AAB.



"X"

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

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- 
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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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