

Regada				02
				02
				03
DMS3				04
				05
				05
		[Nm] *	[s/90°]	
SPR 0PA	230	40	15 - 130	07
SPR 0.1PA	238	50	10 - 160	15
SPR 1PA	231	90	10 - 80	23
SPR 2PA	232	145	5 - 80	26
SPR 2.3PA	233	290	20 - 160	28
SPR 2.4PA	234	575	40 - 160	30
		[Nm] *	[min ⁻¹]	
SOR 2PA	067	100	10 - 40	41
MOR 3PA	094	200	10 - 95	51
MOR 3.4PA	106	350	10 - 80	61
MOR 3.5PA	096	550	25 - 40	69
MOR 4PA	157	250	10 - 25	77
MOR 5PA	158	1 000	15 - 100	87
E		[N] *	[mm/min]	
STR 0PA	430	4 500	5 - 40	95
STR 0.1PA	438	7 200	10 - 63	103
STR 1PA	431	10 000	8 - 80	111
STR 2PA	432	25 000	10 - 120	119
MTR 3PA	407	36 000	32 - 180	127

*



SPR..PA.....
 STR..PA.....
 SOR 2PA, MOR..PA.....

REGADA

15 150 - 69

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

(" C4" -) EN ISO
 12 944.
 M T
 (.)
 II -
 M T
 III

IEC 60 364-3:1993

REGADA

25°
 +55° AA7*
 -50° +40° 8*
 0,028 10 -100%,
 1 27°C
 -25°C +55°C 7*
 0,036 15-100%,
 1 33°C
 -50°C +40°C 8*
 2000 m, 86 kPa
 108 kPa AC1*
 IP 4 IP 5) AD4*, AD5*
 IPx7) AD7*
 350 mg/m², 1000 mg/m² (AE 5*, AE6*
 IP5 , IP6) AE 5*
 EEx AE 5*
);
 AF2*

(
),
 (EEx) AF3*
 AF4*
 :
 10 150 ,
 0,15 mm f<f_p 19,6 m/s²
 f>f_p (9,8 m/s² ST 0) (f_p
 57 62 Hz) AH2*
 AG2*
 AK2*
 (, AL2*
)
 () 400 /m AM2*
 > 500
 < 700 W/m² AN2*
 >300 Gal 600 Gal AP3*
 AQ2*
 AR 3, AS 3*
 () ... BC3*
 BE 1*
 (x) BE3N2*
 IEC 60 364-3:1993.

(EN 60 529)

SPR 0PA, SPR 0.1PA, SPR 1PA, SPR 2PA, SPR 2.3PA, SPR 2.4PA, STR 0PA, STR 0.1PA, STR 1PA, STR 2PA, SOR 2PA	IP 67 IP 68 ¹⁾
MOR 3PA, MOR 3.4PA, MOR 3.5PA, MOR 4PA, MOR 5PA	IP 55 IP 67

¹⁾ IP 68 - 10 / 48

80%

SOR 2PA, SPR..PA STR..PA -
 MOR ..PA, MTR ..PA -
 (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)
 PP80 (MP, MO, MT)
 GLEIT-m HF 401
 GLEIT-m HP 520M
 « » GLEIT-m HP 571-2

• 1xM20 8 13 mm 1xM25
11 17 mm, .32
0,5 mm².

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

SPR 0PA, SPR 0.1PA, SPR 1PA STR 0PA, STR 0.1PA, STR 1PA	10 W
SPR 2PA, SPR 2.3PA, SPR 2.4PA, SPR 3PA, SPR 3.4PA, SPR 3.5PA SOR 2PA	20 W
MOR 3PA, MOR 3.4PA, MOR 3.5PA, MOR 4PA	35 W
MOR 5PA	2 x 20 W

-40°C +70°C

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

5%- /

- 0% 100%
SPR..PA, MOR..PA.
- 0% 100%
STR..PA.

	[]		[]
SPR 0PA	1.4 - 2.4	STR 0PA	2.5 - 4.5
SPR 0.1PA	3.2 - 5.2	STR 0.1PA	5.4 - 8
SPR 1PA	6.6 - 8.3	STR 1PA	8.5 - 10.9
SPR 2PA	12 - 14.5	STR 2PA	17 - 21.5
SPR 2.3PA	17 - 17.5	SOR 2PA	12 - 18.5
SPR 2.4PA	20.5 - 21	MOR 3PA	26.5 - 34
SPR 3PA	22 - 22.5	MOR 3.4PA	42 - 45
SPR 3.4PA	36 - 37.5	MOR 3.5PA	51 - 54
SPR 3.5PA	50 - 50.5	MOR 4PA	41.5 - 50
		MOR 5PA	93.5 - 103

- 0.55 .
- 20 . SPR 2.3PA
- 29 . SPR 2.4PA SPR 3.4PA
- 34 . SPR 3.5PA

, 50 Hz				
[W]	° [min ⁻¹]	[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 ⁻¹]	[V]	[]	[mF/V]
4	1 270	24	1.3	150/63
15	2 750	24	1.6	150/63
4 ¹⁾	1 270	230	0.14	2.2/400
15 ¹⁾	2 750		0.18	2.2/400
20 ¹⁾⁴⁾	1 350		0.50	7/400
60 ¹⁾⁴⁾	2 770		0.70	7/400
120	2 620		1.0	8/450
15 ¹⁾	2 680		0.1	-
90 ¹⁾⁴⁾	2 740		0.35	-
120	1 350	3x400	0.42	-
180 ⁶⁾	2620		0.6	-
180	850		0.72	-
180	1 350		0.58	-
250	1 350		0.77	-
370	1 370		1.06	-
370 ³⁾	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	-

- 1)
- 3) MTR 3PA
- 4) 7 W,
- 6) 0.1 SO 2



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-4 : , I1(, () : ESD) , I2 (ESD, , 2P 100% (1) : () 50 (60)% 0 20

-3 : 2 RE1 RE2, READY : () -3 : 3 R3, R4, R5 (0.1). - : () : 0/4 20mA, 20 4/0mA - : 0/2 10 V, 10 2/0 V DC : 0,5% - (x) LED : LED LED LCD LED LED (RE1, RE2, R3, R4, R5) 18 24 V DC, 40mA I1 I2 READY: I1, I2, OPEN, CLOSE: () : 24V DC, 15 30V DC () : 0 4V DC : 5mA : : 3ms () : min. 50ms () : min. 50ms DBL - RS 232 IN, +IN: : 120 : 0..20mA : 30mA : 3ms : 50ms READY R5: : max.230V AC/1A/cos = 1, Max. 30V LED DC/2A RE1,RE2,R3, R4: : max.230V AC/1A/cos = 1,Max. 30V DC/2A L, +L (CPT): : max. 500 : 18 30 V 4 5 LED LCD : +5V, GND : max. 200 mA HW DMS3 3P - 0/4 - 20 mA, 4 - 12 mA, 12 - 20 mA 0/2 - 10 V. a () 2P 24 V DC - 24 V DC. a « » 2P 24 V DC 3P/2P/I2 - 3P/2P/I2 (4 - 20mA ESD -



"X"

:
SPR 1PA, 231, 231.1-L1BGA/40

•
 •
 •
 • 90° 90 Nm, IP67 1
 • 3P 0/4 - 20mA -L
 • F05/F07 (ISO 5211), 20s/90° 1
 • RE3+ B
 • D14, 14 x 14 G
 • LCD /40

- SPR 1PA, 231.1-L1BGA/40
 Z514+Z500a+Z473a.

•
 •

IEC 60654 IEC60654-3.

(.....), 10 +50
 .80%.

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