

Regada						02
						02
						03
DMS3						05
						06
						06
e		[Nm]		[s/90°]		
UPR 1PA-Ex	346	170	100/70	5 - 80	07	
UPR 2PA-Ex	347	300	180/120	5 - 80	15	
UPR 2.4PA-Ex	348	800	480/320	20 - 160	23	
UPR 2.5PA-Ex	349	1200	720/480	40 - 160	31	
e		[Nm]		[o /min]		
UMR 1PA-Ex	146	64	38/26	10 - 80	39	
UMR 2PA-Ex	147	100	60/40	10 - 40	47	
MOR 3PA-Ex	109	150	90/60	16 - 63	55	
MOR 3.4PA-Ex	108	300	180/120	10 - 80	63	
MOR 3.5PA-Ex	151	550	330/220	25 - 45	71	
MOR 5PA-Ex	168	1000	600/400	15 - 60	79	
e		[N]		[mm/min]		
ULR 1PA-Ex	546	12500	7500/ 5000	10 - 80	87	
ULR 2PA-Ex	547	25 000	15 000/10 000	14 - 120	97	
MTR 3PA-Ex	509	36 000	21 500/10 000	14 - 120	105	

*

REGADA

UPR ..PA-Ex

MTR 3PA-Ex, ULR ..PA-Ex

MOR ..PA-Ex, UMR ..PA-Ex

15150-69

- 1) (), (),
 () (), (), -25 +55 °C
 2) () (), (), -50 +40 °C

(. 2) (. 3)

II -

IEC 60364-3:1993

REGADA

- 25° AA7*
- +55° 8*
- 50° +40° 27°C
- 0,028 10-100%, 1 7*
- 25°C +55°C
- 0,036 15-100%, 1 8*
- 50°C +40°C
- 2000 m, 86 kPa AC1*
- 108 kPa
- IP 4 IP 5) AD4*, AD5*
- IPx7) AD7*
- 350 mg/m³, 1000 mg/m³ (..... AE 5*, AE6*
- (..... AF3*
- EEEx) AH2*
- 10 150, 19,6 m/s²
- 0,15 mm f<f_p (..... AG2*
- f>f_p (57 62 Hz) AK2*
- (..... AL2*

- () 400 /m AM2*
- > 500 AN2*
- ↳ 700W/m² AP3*
- >300 Gal 600 Gal AQ2*
- AR 3, AS 3*
- () BC3*
- BE 1*
- (x) BE 3N2*

IEC 60364-3:1993.

(EN 60 529)

MOR 3PA-Ex, MOR 3.4PA-Ex, MOR 3.5PA-Ex, MOR 5PA-Ex, MTR 3PA-Ex	IP 66
UPR 1PA-Ex, UPR 2PA-Ex, UPR 2.4PA-Ex, UPR 2.5PA-Ex, UMR 1PA-Ex, UMR 2PA-Ex, ULR 1PA-Ex, ULR 2PA-Ex	IP 66 / IP 67, IP 68

- 1) 80%

EN 60079-10).

	(. . .)	EN 60079
UPR 1PA-Ex, UPR 2PA-Ex, UPR 2.4PA-Ex, UPR 2.5PA-Ex, UMR 1PA-Ex, UMR 2PA-Ex, ULR 1PA-Ex, ULR 2PA-Ex	II 2G Ex d IIC T5 Gb (+ 100 °C) II 2G Ex de IIC T5 Gb (+ 100 °C) II 2D Ex tb IIIC T100°C Db	1 a 21 2 a 22
MOR 3PA-Ex, MOR 3.4PA-Ex, MOR 3.5PA-Ex, MOR 5PA-Ex, MTR 3PA-Ex	II 2G c Ex de IIC T5/T4 Gb (+100 °C / + 135 °C) II 2D Ex tb IIIC T135°C Db	

1 -

2 -

- EN 60079-0
- EN 60079-1
- "e" EN 60079-7
- : EN 1127; EN 13463-1; EN 13463-3; EN 13463-5.

- UPR ..PA-Ex, UMR ..PA-Ex, ULR ..PA-Ex -
- MOR ..PA-Ex, MTR 3PA-Ex - (±15°)

(IEC 60034-1.8)

S2-10 15 min.
S4-25%, 90 /

S4-25%, 90 1200 /

e ± 10 %
..... 50 60 ± 2%

60 1,2 ((

UPR ..PA-Ex);
ULR..PA-Ex ,MT3 PA-Ex, UMR...PA-Ex MOR...PA-Ex).

..... GLEIT-m HF 401 UPR ..PA-Ex,
UMR ..PA-Ex, ULR ..PA-Ex
..... PP80 MOR..PA-Ex, MT3PA-Ex)
..... GLEIT-m HF 401
..... GLEIT-m HP 520M
..... GLEIT-m HP 571-2
-25 až +55 °C.

(..PA-Ex . 8). UPR ..PA-Ex, UMR ..PA-Ex, ULR

1.

2. STN EN 61010-1+A2

3. II((),

UPR 1PA-Ex, UMR 1PA-Ex, ULR 1PA-Ex	10 W (-25°C); 20W (-50°C)
UPR 2PA-Ex, UMR 2PA-Ex, ULR 2PA-Ex	20 W (-25°C); 40W (-50°C)
MOR 3PA-Ex, MOR 3.4PA-Ex, MOR 3.5PA-Ex, MTR 3PA-Ex	35 W
MOR 5PA-Ex	2 x 20 W

e a - 40 ° + 70 ° C T a

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

5%- /

0% 100%
UPR ..PA-Ex, UMR ..PA-Ex, MOR ..PA-Ex.
0% 100%
ULR ..PA-Ex a MTR 3PA-Ex.

Hmotnos

	[]		[]
UPR 1PA-Ex	14 - 15	UMR 1PA-Ex	14 - 15
UPR 2PA-Ex	20 - 24	UMR 2PA-Ex	20 - 24
UPR 2.4PA-Ex	29 - 33	MOR 3PA-Ex	46 - 57
UPR 2.5PA-Ex	48 - 52	MOR 3.4PA-Ex	66
ULR 1PA-Ex	16 - 19,5	MOR 3.5PA-Ex	71
ULR 2PA-Ex	26 - 34,2	MOR 5PA-Ex	94 - 104
MTR 3PA-Ex	52,5 - 55		

UPR 2.4PA-Ex 1 .

29 . UPR 2.5PA-Ex ,

34 .

, 50Hz				
[W]	/	[V]	[]	[mF/V]
13.8	375	24	1.35	82/63
15	2 750		1.6	150/63
53	2 600		3.1	DC motor
100	3 350		4.9	DC motor
13.8	375	230	0.135	0.82/500
15 ¹⁾	2 750		0.18	1.8 (2.2)/400
20 ¹⁾⁴⁾	1 350		0.50	7/400
40	1 300		0.39	5/400
60 ¹⁾⁴⁾	2 770		0.70	7/400
120	2 600		1.0	8/450
15 ¹⁾	2 680	3x400	0.1	-
73	1 300		0.21	-
90 ¹⁾	2 740		0.35	-
120	1 350		0.42	-
180	2650		0.60	-
250	1 370		0.69	-
370	1 385		0.95	-
550	915		1.50	-
550	1 380		1.45	-
750	1 410		1.70	-
750	2 790		1.75	-
1 100	2 775		2.29	-
1 400	2 805		3.30	-
1 500	700		4.20	-
1 500	2855	3.07	-	
2 200	945	5.50	-	
3 000	1 435	6.60	-	
4 000	1 435	8.50	-	
5 500	1 420	11.5	-	

[W]	/	[V]	[]	
			I _N	I _Z
20	3 200	24	1.8	3
65	2 800		5	7
53	2 600		3.1	
100	3 350		4.9	

1)
2) 0.1 7 W,

I_N
I_Z



I1, I2, OPEN, CLOSE:
 () : 24V DC, 15 30V DC
 () : 0 4V DC
 : 5mA
 : 3ms
 () : min. 50ms
 () : min. 50ms
IN, +IN:
 : 120
 : 0..20mA
 : 30mA
 : 3ms
 : 50ms
READY R5:
 : max.230V AC/1A/cos = 1, Max. 30V
 DC/2A
RE1,RE2,R3, R4:
 : max.230V AC/1A/cos = 1,Max. 30V DC/2A
L, +L (CPT):
 : max. 500
 : 18 30 V
 : +5V, GND
 : max. 200 mA

ESD
 : I1
 : I2 (ESD)
 : 2P
 RE1 RE2, READY
 R3, R4, R5
 : 0.1).
 : 0/4 20mA, 20 4/0mA
 : 0/2 10 V, 10 2/0 V DC
 : 0,5%
 1 10%
 EPV)
 : 4 20mA,
 : o 18 o 30 V DC
 : max RL=500
 24 V DC, 40mA
 I1 I2

UP..-Ex, UM..-Ex, UL..-Ex

012/2011

3 . . 3 . . 2 . . 2 . .

IECEX/ATEX.

CMP / Stahl	X-20S/16-A2F- M16	M16x1.5	b)	3,2 - 7,0 resp. 5,0 - 10,0	
	X-20S/16-A2F- M20	M20x1.5		3,2 - 8,7 / -	
	X-20S-A2F- M20			6,1-11,7 / -	
	X-20-A2F- M20			6,5-14,0 / -	
	X-20S/16-T3CDS-M20	M20x1.5	b)	3,1-8,6 / 6,1-13,4	663 457 098
	X-20S-T3CDS-M20			6,1-11,6 / 9,5-15,9	663 457 097
	X-20-T3CDS-M20			6,5-13,9 / 12,5-20,9	663 457 096
	X-16s-PXSS2K- M16	M16x1.5	b)	3,2-8,7	
	X-16-PXSS2K- M16	M16x1.5		6,1-11,7	
	X-20s/16-PXSS2K - M20	M20x1.5		3,2-8,7	663 456 797
	X-20s-PXSS2K - M20			6,1-11,7	663 456 798
	X-20-PXSS2K - M20			6,5-14,0	663 456 799
	X-16s-PX2K-M16	M16x1.5	a)	3,1 – 8,7 / 6,1-11,5	
	X-16-PX2K-M16	M20x1.5		6,5-14,0 / 12,5-20,9	
	X-20s/16-PX2K-M20			3,1-8,6 / 6,1-13,4	663 456 800
X-20s-PX2K-M20	6,1-11,6 / 9,5-15,9			663 456 801	
X-20-PX2K-M20	6,5-13,9 / 12,5-20,9			663 456 802	
Pflitch / Peppers	12.20..13CR.exd / CR**** 16		M20x1.5	b)	3,4 – 8,4 / 9,0-13,5
	12.20..16CR.exd / CR**** 20S	7,2-11,7 / 12,9-16,0			
	12.20..21CR.exd / CR**** 20	9,4-14,0 / 15,5-21,1			
	15.20d13CRcexd / CR-C*** 16	a)		9,0-11,7 / 9,0-13,5	
	15.20d16CRcexd / CR-C*** 2			10,4-11,7 / 11,5-16,0	
	15.20d21CRcexd / CR-C*** 20			12,5-14,0 / 15,5-21,1	
Hawke	ICG 623/Os/M20	M20x1.5	a)	3,0-8,0 / -	
	ICG 623/O/M20			7,5-11,9 / -	
	ICG 623/A/M20			11,0-14,3 / -	
	501/453/Os/ M20	b)	3-8 / 5,5-12		
	501/453/O/ M20		7,5-11,9 / 9,5-16		
	501/453/A/ M20		11-14,3 / 12,5-20,5		
	ICG 653/UNIV/Os/M20	a)	8,9 / 5,5-12,0		
	ICG 653/UNIV/O/M20		8,9 / 9,5-16		
	ICG 653/UNIV/A/M20		11 / 12,5-20,5		
	Ex d 8294/121		M20x1.5		663 457 107
LOCTITE 243 (50 ml)					667 545 096

1) /
b/

Loctite243.

DMS3

3P - a (,) - 0/4 - 20 mA, 4 - 12 mA, 12 - 20 mA 0/2 - 10 V.

2P - 24 V DC. a « - » 24 V DC - , , .

2P - 24 V DC - , , ()

3P/2P/12 - 3P/2P/12 ()

4 - 20mA

ESD -

(): ,
: () 50 (60)% 100% (1)
: 0 20 .

- :
- x o LED LED LED ()
- LED LCD LED LED

(RE1, RE2, R3, R4, R5) 18

READY: , , ,

DBL -

RS 232

LED : - - ; - -

4 5 LED LCD

- , , HW

« »



	"	"X"	
UPR 1PA-Ex,	346,	346.1 - 0UBGA/40	
		346.	
	1	
	170 Nm,	, 230 VAC	- 0
	90°	80s/90°	U
(3P)	B	
	F05/F07 (ISO 5211),	0/4 - 20 mA, 4 - 12 mA, 12 - 20 mA	G
		D14, 14 x 14
			/
	RE3, RE4, RE5 +	40

Výsledná schéma zapojenia sa vytvára z iastkových schém pod a vyšpecifikovaného vybavenia servopohonu. Zo špecifika nej tabu ky sa z príslušných koloniek "Elektrické pripojenie - Napájacie napätie", "Ovládanie - Riadiace vstupy" a "Rozšírené vybavenie" vyberú schémy zapojenia ozna ované kódom Zxx. Na strane "Schémy zapojenia" sa vyberú príslušné blokové schémy uvedené pod týmito íslami a spoja sa k sebe do jedného celku. Opakujúce sa schémy alebo prvky sa priradia iba raz.

"	"	" - "	"	:"	"
-	UPR 1PA-Ex,	346.1 - 0UBGA/40, o			:Z514
+ Z500a + Z473a.					

IEC 60654 IEC60654-3.

(.80%), 10 +50

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