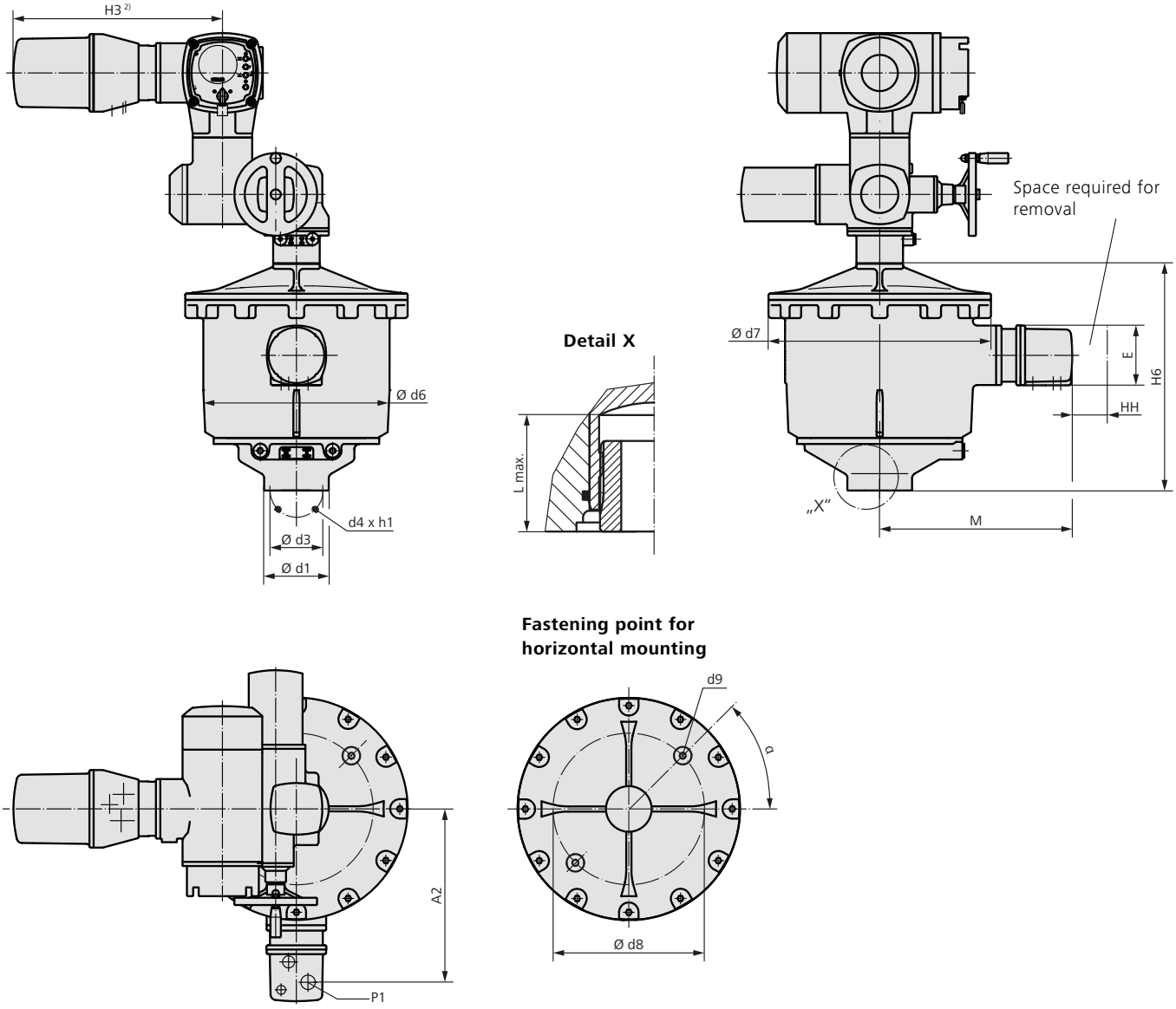
FQMEx 05.1 – FQMEx 12.1
SQEx 05.2 – SQEx 12.2 with ACExC 01.2
Dimensions Fail safe unit

With AUMA 3-phase motor and explosion-proof plug/socket connector



1) Flange for mounting part-turn actuator
2) Standard: Ex plug/socket connector with terminal blocks. Exact dimension depending on electrical connection used
3) Combined flange F07/F10
For all other dimensions, please refer to "Dimensions Part-turn actuators"

Output drives acc. to EN ISO 5211
For dimensions see overleaf

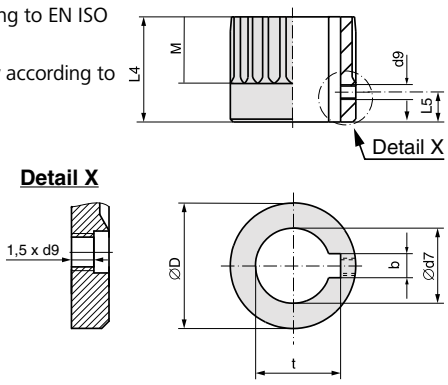
Dimensions	FQMEx 05.1/FQMEx 07.1		FQMEx 10.1		FQMEx 12.1		
Part-turn actuator	SQEx 05.2/SQEx 07.2		SQEx 10.2		SQEx 12.2		
EN ISO 5211	F07 3)	F10 3)	F10	F12	F12	F14	F16
A2	336		351			351	
E	115		115			115	
H3 2)	404		404			404	
H6	439		606	566	566	606	616
HH min.	60		60			60	
M	372		387			387	
L max.	45		100	60	60	100	110
P1	M20 x 1.5		M20 x 1.5			M20 x 1.5	
Ø d1	125	125	125	150	150	175	210
Ø d3	70	102	102	125	125	140	165
d4	4 x M8	4 x M10	4 x M10	4 x M12	4 x M12	4 x M16	4 x M20
Ø d6	360		474			474	
Ø d7	430		550			550	
Ø d8	260		350			350	
d9	M10		M12			M12	
h1	15	16	18	21	21	25	32
α	45°		45 °			45 °	
EN ISO 5211 1)	F07		F12			F12	

We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.

Dimensions Couplings according to EN ISO 5211

Bore according to EN ISO 5211

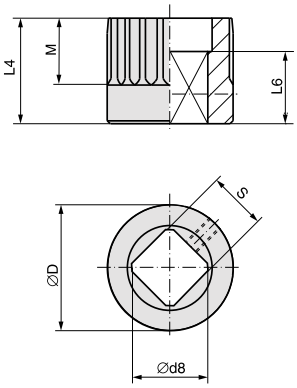
With keyway according to DIN 6885-1



Dimensions	FQMEx 05.1/FQMEx 07.1		FQMEx 10.1		FQMEx 12.1		
EN ISO 5211	F07	F10	F10	F12	F12	F14	F16
Ø D	41.75		67.6		67.6		
b JS9 [1]	6		10		10		
Ø d7 H8 [2]	22		36		36		
Ø d7 max.	25.4		50		50		
d9 [3]	M5		M6		M6		
L4	35		95	55	55	95	105
L5 [3]	8		10		10		
M	20		40		40		
t [1]	24.8		39.3		39.3		

Square bore

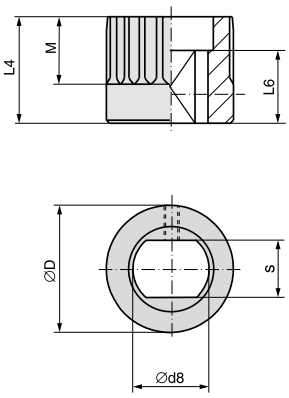
According to EN ISO 5211



Dimensions	FQMEx 05.1/FQMEx 07.1		FQMEx 10.1		FQMEx 12.1		
EN ISO 5211	F07	F10	F10	F12	F12	F14	F16
Ø D	41.75		67.6		67.6		
Ø d8 min. [2]	22.2		36.2		36.2		
Ø d8 max.	28.2		48.2		48.2		
L4	35		95	55	55	95	105
L6 min.	30		30		30		
M	20		40		40		
s H11 [2]	17		27		27		
s H11 max.	22		36		36		

Bore with two-flats

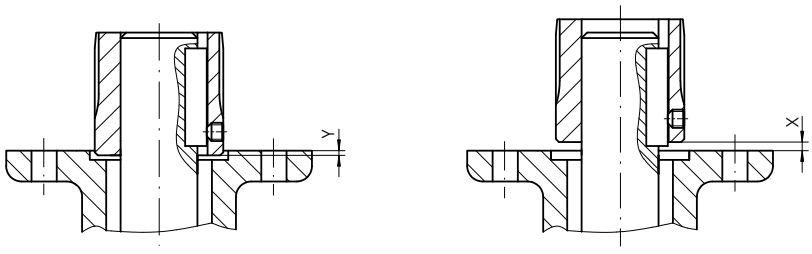
According to EN ISO 5211



Dimensions	FQMEx 05.1/FQMEx 07.1		FQMEx 10.1		FQMEx 12.1		
EN ISO 5211	F07	F10	F10	F12	F12	F14	F16
Ø D	41.75		67.6		67.6		
Ø d8 min. [2]	22.2		36.2		36.2		
Ø d8 max.	28.2		48.2 (48 [4])		48.2 (48 [4])		
L4	35		95	55	55	95	105
L6 min.	25		30		30		
M	20		40		40		
s H11 [2]	17		27		27		
s H11 max.	22		36 (41 [4])		36 (41 [4])		

Mounting position of coupling

X max.	5	6	6
Y max.	5	10	10



1) Dimensions depend on Ø d7, refer to DIN 6885-1
2) Recommended size according to EN ISO 5211
3) Thread with grub screw
4) According to DIN 475

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