

6.7 Size MSK070

Abbrev. Column		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
Example:		M	S	K	0	7	0	C	-	0	4	5	0	-	N	N	-	S	1	-	U	G	0	-	N	N	N	N															

1. Product

1.1 MSK = MSK

2. Motor size

2.1 070. = 070

3. Motor length

3.1 Lengths. = C, D, E

4. Windings code

4.1 MSK070C = 0150, 0300, 0450

4.2 MSK070D = 0150, 0300, 0450

4.3 MSK070E = 0150, 0300, 0450

5. Cooling mode

5.1 natural convection = NN

6. Encoder

6.1 optical encoder, singleturn Hiperface, with 128 increments. = S1

6.2 optical encoder, singleturn EnDat2.1, with 2048 increments. = S2

6.3 optical encoder, multiturn-absolute Hiperface, with 128 increments. = M1

6.4 optical encoder, multiturn-absolute EnDat2.1, with 2048 increments. = M2

7. Electrical connection

7.1 Plug, rotatable 240° = U

8. Shaft

8.1 plain shaft with shaft sealing ring (standard) = G

8.2 shaft with keyway per DIN 6885-1 with shaft sealing ring . . . = P

9. Holding brake

9.1 without holding brake. = 0

9.2 holding brake, electrical release, 23 Nm = 1

Fig.6-27: Type Codes MSK070 (page 1)

Abbrev. Column	→	1	2	3	4	5	6	7	8	9	1	0	1	2	3	4	5	6	7	8	9	2	0	1	2	3	4	5	6	7	8	9	3	0	1	2	3	4	5	6	7	8	9	4	0		
Example:		M	S	K	0	7	0	C	-	0	4	5	0	-	N	N	-	S	1	-	U	G	0	-	N	N	N	N																			

10. Other design

- 10.1 standard = NNNN
- 10.2 standard and Ex type for cluster II, categories 3G and 3D
on DIN EN 60079 ff = NSNN
- 10.3 reduced shaft run-out, axial run-out according to DIN 42955 . . . = RNNN
- 10.3 reduced shaft run-out, axial run-out according to DIN 42955 and
Ex type for cluster II, categories 3G and 3D on DIN EN 60079 ff = RSNN

11. Standard reference

Standard	Title	Edition
DIN 6885-1	Drive Type Fastenings without Taper Action; Parallel Keys, Keyways, Deep Patter	1968-08
DIN 42955	Tolerances of shaft extension run-out of mounting flanges for rotating electrical machinery, test	1981-12
DIN EN 60079 ff	Electrical apparatus for explosive gas atmospheres (ATEX)	-

Note:

① Other design "NNNN" and "NSNN" are only available with encoder "S1" and "M1"
Other design "RNNN" and "RSNN" are only available with encoder "S2" and "M2"

Fig.6-28: Type Codes MSK070 (page 2)