

Safety Instructions

Micropilot

FMR50/51/52/53/54/56/57

PROFIBUS PA, FOUNDATION Fieldbus

Associated Safety Instructions (XA) on page 4



Micropilot FMR50/51/52/53/54/56/57

PROFIBUS PA, FOUNDATION Fieldbus

Table of contents

Associated documentation 4

Zone 2: 1 channel 5

Zone 2: 2 channels 21

Associated documentation

This document is an integral part of the following Safety Instructions:

ATEX, IECEX:
XA00687F/00

UK:
XA02393F/00

NEPSI:
XA01210F/00

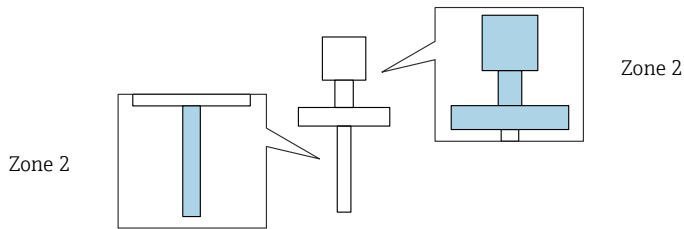
INMETRO:
XA01297F/00

Zone 2: 1 channel

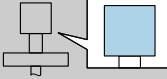
Position 3 = E, G: 1 channel used

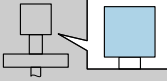
Page references to the temperature tables of the respective device types: See the following list.

- FMR50 → 5
- FMR51 → 6
- FMR52 → 9
- FMR53 → 11
- FMR54 → 13
- FMR56 → 18
- FMR57 → 19

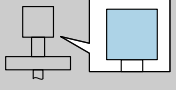


FMR50

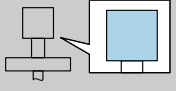
 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	58	58	58	80	55	80	-40	-40	-40	-	-

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	80	58	80	-40	-40	-40	-	-

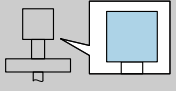
FMR51

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	49	85	-40	-40	-40	-	-
		T5	-40	74	74	74	100	64	100	-40	-40	-40	-	-
		T4	-40	74	74	74	135	58	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	74	74	74	150	55	150	-40	-40	-40	-	-

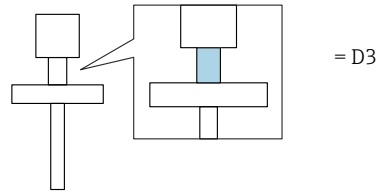
1) Functional: Maximum permissible process temperature

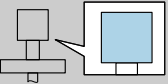
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	54	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	69	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	69	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	80	81	80	150	66	150	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

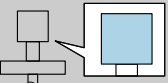
 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	55	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	70	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	71	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	80	81	80	150	68	150	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

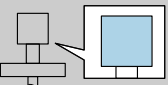
FMR51

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	54	85	-40	-40	-40	-	-
		T5	-40	74	74	74	100	69	100	-40	-40	-40	-	-
		T4	-40	74	74	74	135	64	135	-40	-40	-40	-	-
		T3	-40	74	74	74	200	55	200	-40	-40	-40	-	-
		T2 ¹⁾	-40	74	74	74	250	44	250	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

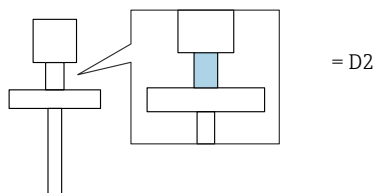
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	57	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	72	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	75	135	-40	-40	-40	-	-
		T3	-40	80	81	80	200	68	200	-40	-40	-40	-	-
		T2 ¹⁾	-40	80	81	80	250	63	250	-40	-40	-40	-	-

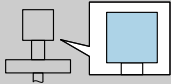
1) Functional: Maximum permissible process temperature

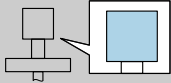
 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	58	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	73	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	76	135	-40	-40	-40	-	-
		T3	-40	80	81	80	200	71	200	-40	-40	-40	-	-
		T2 ¹⁾	-40	80	81	80	250	67	250	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

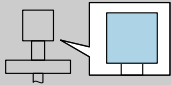
FMR51



 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	52	85	-40	-40	-40	-196	9
		T5	-196	74	74	74	100	67	100	-40	-40	-40	-196	9
		T4	-196	74	74	74	135	62	135	-40	-40	-40	-196	9
		T3	-196	74	74	74	200	49	200	-40	-40	-40	-196	9

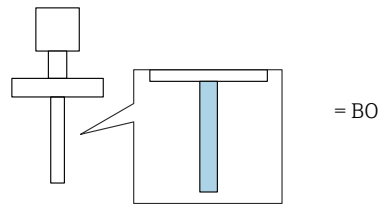
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	56	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T5	-196	75	75	75	100	71	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T4	-196	80	81	80	135	73	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T3	-196	80	81	80	200	64	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T2	-196	80	81	80	300	50	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15

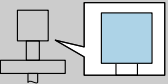
1) Only in connection with Optional specification, ID Jx = JN

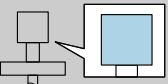
 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	57	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾
		T5	-196	75	75	75	100	72	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾
		T4	-196	80	81	80	135	75	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾
		T3	-196	80	81	80	200	68	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾
		T2	-196	80	81	80	300	57	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾
		T1	-196	80	81	80	450	39	450	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾

1) Only in connection with Optional specification, ID Jx = JN

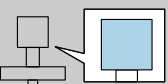
FMR52



 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	51	85	-40	-40	-40	-	-
		T5	-40	74	74	74	100	66	100	-40	-40	-40	-	-
		T4	-40	74	74	74	135	61	135	-40	-40	-40	-	-
		T3	-40	74	74	74	200	42	200	-40	-40	-40	-	-

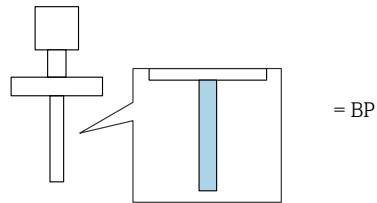
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	55	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-3
		T5	-196	75	75	75	100	70	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-3
		T4	-196	80	81	80	135	71	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-3
		T3	-196	80	81	80	200	60	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-3

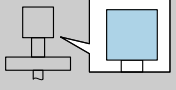
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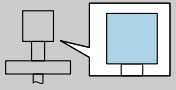
 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	56	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-14
		T5	-196	75	75	75	100	71	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-14
		T4	-196	80	81	80	135	73	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-14
		T3	-196	80	81	80	200	64	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-14

1) Only in connection with Optional specification, ID Jx = JN

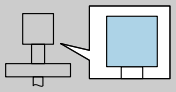
FMR52



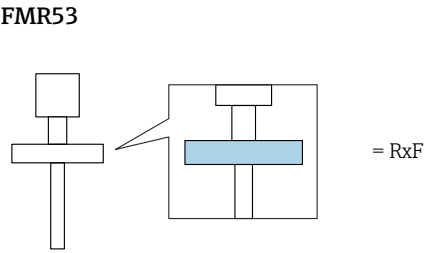
 = A	(1)	P1			P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	49	85	-40	-40	-40	-	-
		T5	-40	74	74	74	100	64	100	-40	-40	-40	-	-
		T4	-40	74	74	74	135	59	135	-40	-40	-40	-	-
		T3	-40	74	74	74	200	36	200	-40	-40	-40	-	-

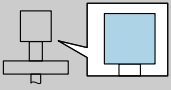
 = B	(1)	P1			P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	54	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	10
		T5	-196	75	75	75	100	69	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	10
		T4	-196	80	81	80	135	69	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	10
		T3	-196	80	81	80	200	56	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	10

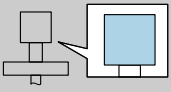
1) Only in connection with Optional specification, ID Jx = JN

 = C	(1)	P1			P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	55	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-8
		T5	-196	75	75	75	100	70	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-8
		T4	-196	80	81	80	135	72	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-8
		T3	-196	80	81	80	200	61	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-8

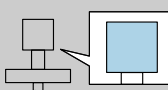
1) Only in connection with Optional specification, ID Jx = JN



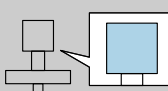
 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	58	58	58	80	55	80	-40	-40	-40	-	-

 = B, C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	80	58	80	-40	-40	-40	-	-

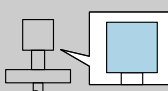
FMR53

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	48	85	-40	-40	-40	-	-
		T5	-40	74	74	74	100	63	100	-40	-40	-40	-	-
		T4	-40	74	74	74	135	58	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	74	74	74	150	54	150	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

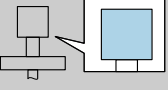
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	53	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	68	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	68	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	80	81	80	150	65	150	-40	-40	-40	-	-

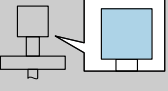
1) Functional: Maximum permissible process temperature

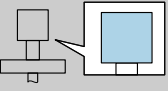
 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	54	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	69	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	70	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	80	81	80	150	67	150	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

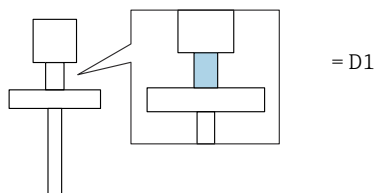
FMR54

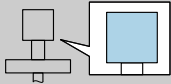
 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	48	85	-40	-40	-40	-	-
		T5	-40	74	74	74	100	63	100	-40	-40	-40	-	-
		T4	-40	74	74	74	135	57	135	-40	-40	-40	-	-

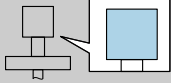
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	53	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	68	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	67	135	-40	-40	-40	-	-
		T3	-40	80	81	80	200	52	200	-40	-40	-40	-	-

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	54	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	69	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	70	135	-40	-40	-40	-	-
		T3	-40	80	81	80	200	57	200	-40	-40	-40	-	-

FMR54

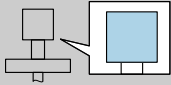


 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	51	85	-40	-40	-40	-196	18
		T5	-196	74	74	74	100	66	100	-40	-40	-40	-196	18
		T4	-196	74	74	74	135	61	135	-40	-40	-40	-196	18
		T3	-196	74	74	74	200	42	200	-40	-40	-40	-196	18

 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	55	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-4
		T5	-196	75	75	75	100	70	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-4
		T4	-196	80	81	80	135	71	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-4
		T3	-196	80	81	80	200	60	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-4
		T2 ²⁾	-196	80	81	80	280	46	280	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-4

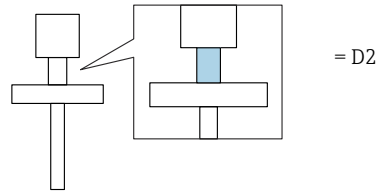
1) Only in connection with Optional specification, ID Jx = JN

2) Functional: Maximum permissible process temperature

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	56	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T5	-196	75	75	75	100	71	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T4	-196	80	81	80	135	73	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T3	-196	80	81	80	200	64	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T2 ²⁾	-196	80	81	80	280	53	280	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15

1) Only in connection with Optional specification, ID Jx = JN

2) Functional: Maximum permissible process temperature

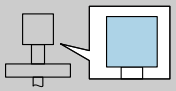
FMR54

= A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	52	85	-40	-40	-40	-196	11
		T5	-196	74	74	74	100	67	100	-40	-40	-40	-196	11
		T4	-196	74	74	74	135	62	135	-40	-40	-40	-196	11
		T3	-196	74	74	74	200	47	200	-40	-40	-40	-196	11

= B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	56	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13
		T5	-196	75	75	75	100	71	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13
		T4	-196	80	81	80	135	73	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13
		T3	-196	80	81	80	200	63	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13
		T2	-196	80	81	80	300	48	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13
		T1 ²⁾	-196	80	81	80	400	31	400	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13

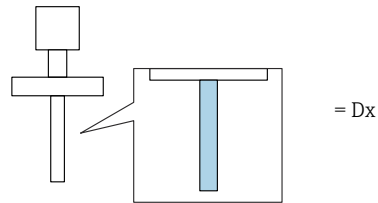
1) Only in connection with Optional specification, ID Jx = JN

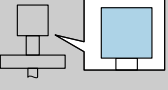
2) Functional: Maximum permissible process temperature

	(1)	P1		P2		P3		P4		P5		P6	
		T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	85	57	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾
		T5	-196	75	75	100	72	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾
		T4	-196	80	81	135	74	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾
		T3	-196	80	81	200	67	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾
		T2	-196	80	81	300	55	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾
		T1 ²⁾	-196	80	81	400	42	400	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾

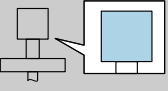
1) Only in connection with Optional specification, ID Jx = JN

2) Functional: Maximum permissible process temperature

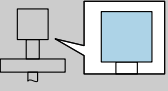
FMR54

 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	50	85	-40	-40	-40	-	-
		T5	-40	74	74	74	100	65	100	-40	-40	-40	-	-
		T4	-40	74	74	74	135	60	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	74	74	74	150	57	150	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

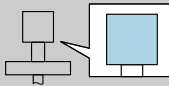
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	55	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	70	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	71	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	80	81	80	150	68	150	-40	-40	-40	-	-

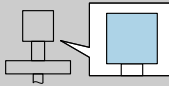
1) Functional: Maximum permissible process temperature

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	56	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	71	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	73	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	80	81	80	150	71	150	-40	-40	-40	-	-

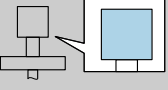
1) Functional: Maximum permissible process temperature

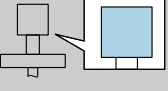
FMR56

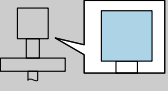
 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	58	58	58	80	55	80	-40	-40	-40	-	-

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	80	58	80	-40	-40	-40	-	-

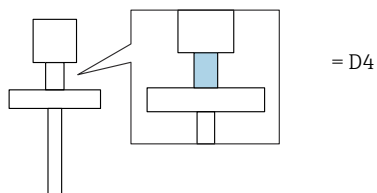
FMR57

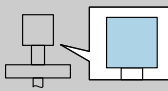
 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	53	85	-40	-40	-40	-	-
		T5	-40	74	74	74	100	68	100	-40	-40	-40	-	-
		T4	-40	74	74	74	135	63	135	-40	-40	-40	-	-
		T3	-40	74	74	74	200	53	200	-40	-40	-40	-	-

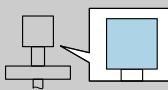
 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	56	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	71	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	74	135	-40	-40	-40	-	-
		T3	-40	80	81	80	200	66	200	-40	-40	-40	-	-

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	57	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	72	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	75	135	-40	-40	-40	-	-
		T3	-40	80	81	80	200	69	200	-40	-40	-40	-	-

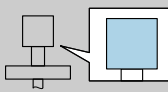
FMR57



 = A	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	58	58	58	85	54	85	-40	-40	-40	-	-
		T5	-40	73	73	73	100	69	100	-40	-40	-40	-	-
		T4	-40	74	74	74	135	65	135	-40	-40	-40	-	-
		T3	-40	74	74	74	200	57	200	-40	-40	-40	-	-
		T2	-40	74	74	74	300	37	300	-40	-40	-40	-	-

 = B	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	57	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	72	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	76	135	-40	-40	-40	-	-
		T3	-40	80	81	80	200	70	200	-40	-40	-40	-	-
		T2	-40	80	81	80	300	61	300	-40	-40	-40	-	-
		T1 ¹⁾	-40	80	81	80	400	51	400	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

 = C	(1)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	58	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	73	100	-40	-40	-40	-	-
		T4	-40	80	81	80	135	77	135	-40	-40	-40	-	-
		T3	-40	80	81	80	200	72	200	-40	-40	-40	-	-
		T2	-40	80	81	80	300	65	300	-40	-40	-40	-	-
		T1 ¹⁾	-40	80	81	80	400	58	400	-40	-40	-40	-	-

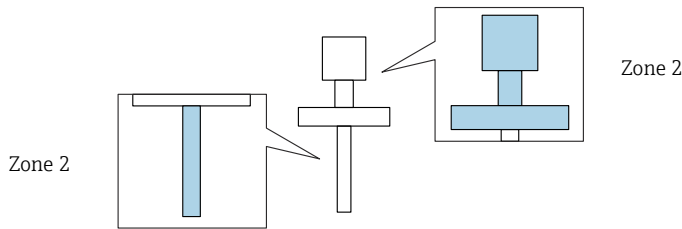
1) Functional: Maximum permissible process temperature

Zone 2: 2 channels

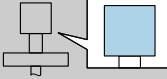
Position 3 = E, G: 2 channels used

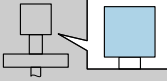
Page references to the temperature tables of the respective device types: See the following list.

- FMR50 → 21
- FMR51 → 22
- FMR52 → 25
- FMR53 → 27
- FMR54 → 29
- FMR56 → 33
- FMR57 → 34

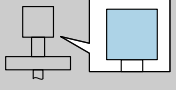


FMR50

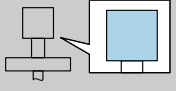
 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	80	47	80	-40	-40	-40	-	-

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	80	58	80	-40	-40	-40	-	-

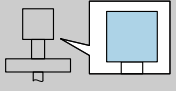
FMR51

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	43	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	45	100	-40	-40	-40	-	-
		T4	-40	56	56	56	135	37	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	56	56	56	150	33	150	-40	-40	-40	-	-

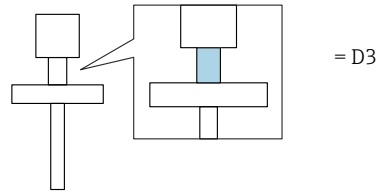
1) Functional: Maximum permissible process temperature

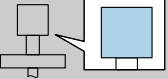
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	54	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	69	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	63	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	76	76	76	150	60	150	-40	-40	-40	-	-

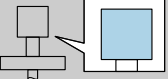
1) Functional: Maximum permissible process temperature

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	55	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	70	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	65	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	76	76	76	150	63	150	-40	-40	-40	-	-

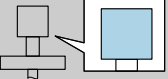
1) Functional: Maximum permissible process temperature

FMR51

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	46	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	50	100	-40	-40	-40	-	-
		T4	-40	56	56	56	135	45	135	-40	-40	-40	-	-
		T3	-40	56	56	56	200	35	200	-40	-40	-40	-	-

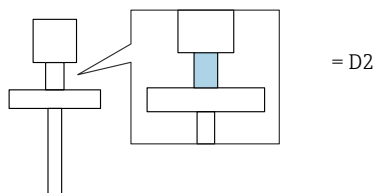
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	57	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	72	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	69	135	-40	-40	-40	-	-
		T3	-40	76	76	76	200	62	200	-40	-40	-40	-	-
		T2 ¹⁾	-40	76	76	76	250	57	250	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	58	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	73	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	71	135	-40	-40	-40	-	-
		T3	-40	76	76	76	200	65	200	-40	-40	-40	-	-
		T2 ¹⁾	-40	76	76	76	250	61	250	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

FMR51



= A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	51	51	51	85	45	85	-40	-40	-40	-196	9
		T5	-196	56	56	56	100	48	100	-40	-40	-40	-196	9
		T4	-196	56	56	56	135	42	135	-40	-40	-40	-196	9
		T3	-196	56	56	56	200	30	200	-40	-40	-40	-196	9

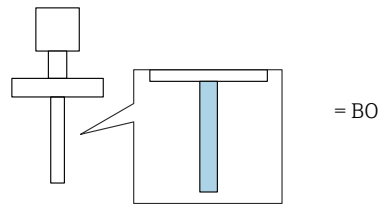
= B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	56	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T5	-196	75	75	75	100	71	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T4	-196	76	76	76	135	67	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T3	-196	76	76	76	200	59	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T2	-196	76	76	76	300	45	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15

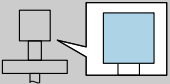
1) Only in connection with Optional specification, ID Jx = JN

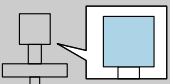
= C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	57	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾
		T5	-196	75	75	75	100	72	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾
		T4	-196	76	76	76	135	69	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾
		T3	-196	76	76	76	200	62	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾
		T2	-196	76	76	76	300	51	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾
		T1	-196	76	76	76	450	35	450	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-20 -28 ¹⁾

1) Only in connection with Optional specification, ID Jx = JN

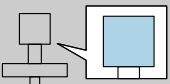
FMR52



 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	44	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	47	100	-40	-40	-40	-	-
		T4	-40	56	56	56	135	39	135	-40	-40	-40	-	-

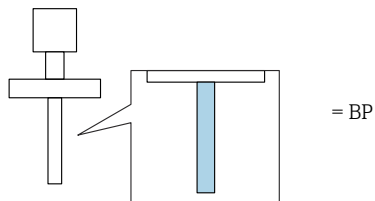
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	55	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-3
		T5	-196	75	75	75	100	70	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-3
		T4	-196	76	76	76	135	65	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-3
		T3	-196	76	76	76	200	54	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-3

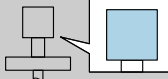
1) Only in connection with Optional specification, ID Jx = JN

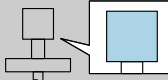
 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	56	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-14
		T5	-196	75	75	75	100	71	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-14
		T4	-196	76	76	76	135	67	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-14
		T3	-196	76	76	76	200	58	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-14

1) Only in connection with Optional specification, ID Jx = JN

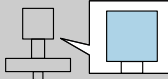
FMR52



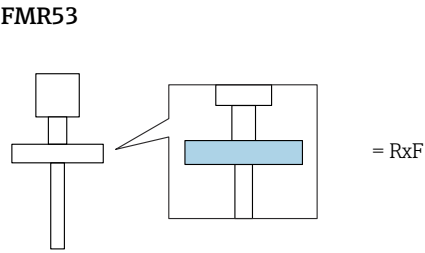
 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	43	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	46	100	-40	-40	-40	-	-
		T4	-40	56	56	56	135	37	135	-40	-40	-40	-	-

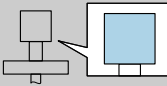
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	54	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	10
		T5	-196	75	75	75	100	69	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	10
		T4	-196	76	76	76	135	63	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	10
		T3	-196	76	76	76	200	50	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	10

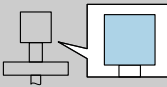
1) Only in connection with Optional specification, ID Jx = JN

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	55	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-8
		T5	-196	75	75	75	100	70	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-8
		T4	-196	76	76	76	135	66	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-8
		T3	-196	76	76	76	200	55	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-8

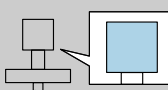
1) Only in connection with Optional specification, ID Jx = JN



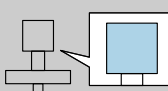
 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	80	47	80	-40	-40	-40	-	-

 = B, C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	80	58	80	-40	-40	-40	-	-

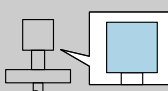
FMR53

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	42	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	45	100	-40	-40	-40	-	-
		T4	-40	56	56	56	135	36	135	-20	-40	-40	-	-
		T3 ¹⁾	-40	56	56	56	150	32	150	-20	-40	-40	-	-

1) Functional: Maximum permissible process temperature

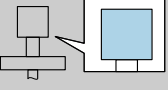
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	53	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	68	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	62	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	76	76	76	150	58	150	-40	-40	-40	-	-

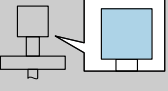
1) Functional: Maximum permissible process temperature

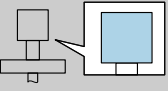
 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	54	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	69	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	64	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	76	76	76	150	62	150	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

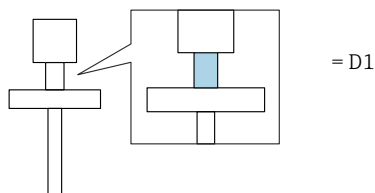
FMR54

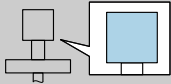
 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	42	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	45	100	-40	-40	-40	-	-
		T4	-40	56	56	56	135	35	135	-40	-40	-40	-	-

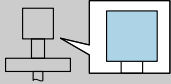
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	53	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	68	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	61	135	-40	-40	-40	-	-
		T3	-40	76	76	76	200	45	200	-40	-40	-40	-	-

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	54	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	69	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	64	135	-40	-40	-40	-	-
		T3	-40	76	76	76	200	51	200	-40	-40	-40	-	-

FMR54

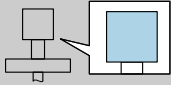


 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	51	51	51	85	44	85	-40	-40	-40	-196	18
		T5	-196	56	56	56	100	47	100	-40	-40	-40	-196	18
		T4	-196	56	56	56	135	40	135	-40	-40	-40	-196	18

 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	55	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-4
		T5	-196	75	75	75	100	70	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-4
		T4	-196	76	76	76	135	65	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-4
		T3	-196	76	76	76	200	54	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-4
		T2 ²⁾	-196	76	76	76	280	41	280	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-4

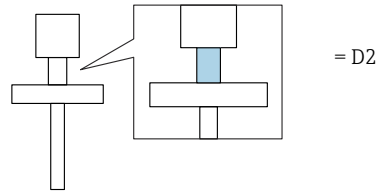
1) Only in connection with Optional specification, ID Jx = JN

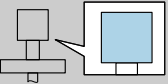
2) Functional: Maximum permissible process temperature

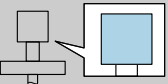
 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	56	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T5	-196	75	75	75	100	71	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T4	-196	76	76	76	135	67	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T3	-196	76	76	76	200	59	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15
		T2 ²⁾	-196	76	76	76	280	48	280	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-15

1) Only in connection with Optional specification, ID Jx = JN

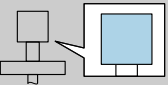
2) Functional: Maximum permissible process temperature

FMR54

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	51	51	51	85	45	85	-40	-40	-40	-196	11
		T5	-196	56	56	56	100	48	100	-40	-40	-40	-196	11
		T4	-196	56	56	56	135	41	135	-40	-40	-40	-196	11

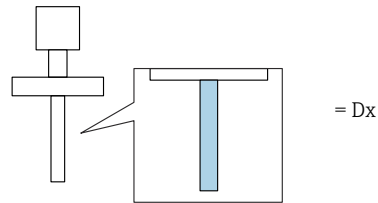
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	56	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13
		T5	-196	75	75	75	100	71	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13
		T4	-196	76	76	76	135	67	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13
		T3	-196	76	76	76	200	57	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13
		T2	-196	76	76	76	300	43	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-13

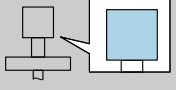
1) Only in connection with Optional specification, ID Jx = JN

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-196	60	60	60	85	57	85	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾
		T5	-196	75	75	75	100	72	100	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾
		T4	-196	76	76	76	135	69	135	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾
		T3	-196	76	76	76	200	61	200	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾
		T2	-196	76	76	76	300	49	300	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾
		T1 ²⁾	-196	76	76	76	400	38	400	-40 -50 ¹⁾	-40 -50 ¹⁾	-40 -50 ¹⁾	-196	-19 -26 ¹⁾

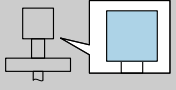
1) Only in connection with Optional specification, ID Jx = JN

2) Functional: Maximum permissible process temperature

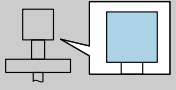
FMR54

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	44	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	47	100	-40	-40	-40	-	-
		T4	-40	56	56	56	135	39	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	56	56	56	150	36	150	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

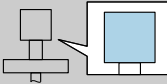
 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	55	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	70	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	65	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	76	76	76	150	62	150	-40	-40	-40	-	-

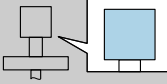
1) Functional: Maximum permissible process temperature

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	56	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	71	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	67	135	-40	-40	-40	-	-
		T3 ¹⁾	-40	76	76	76	150	65	150	-40	-40	-40	-	-

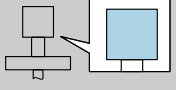
1) Functional: Maximum permissible process temperature

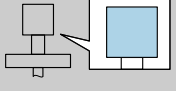
FMR56

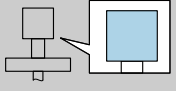
 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	80	47	80	-40	-40	-40	-	-

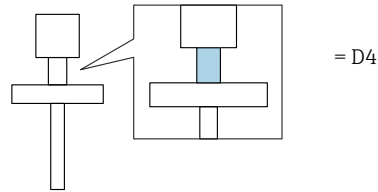
 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	80	58	80	-40	-40	-40	-	-

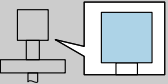
FMR57

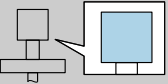
 = A	(2)				P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	46	85	-40	-40	-40	-	-	-	-
		T5	-40	56	56	56	100	49	100	-40	-40	-40	-	-	-	-
		T4	-40	56	56	56	135	43	135	-40	-40	-40	-	-	-	-
		T3	-40	56	56	56	200	33	200	-40	-40	-40	-	-	-	-

 = B	(2)				P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	56	85	-40	-40	-40	-	-	-	-
		T5	-40	75	75	75	100	71	100	-40	-40	-40	-	-	-	-
		T4	-40	76	76	76	135	68	135	-40	-40	-40	-	-	-	-
		T3	-40	76	76	76	200	61	200	-40	-40	-40	-	-	-	-

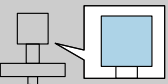
 = C	(2)				P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	57	85	-40	-40	-40	-	-	-	-
		T5	-40	75	75	75	100	72	100	-40	-40	-40	-	-	-	-
		T4	-40	76	76	76	135	70	135	-40	-40	-40	-	-	-	-
		T3	-40	76	76	76	200	64	200	-40	-40	-40	-	-	-	-

FMR57

 = A	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	51	51	51	85	47	85	-40	-40	-40	-	-
		T5	-40	56	56	56	100	50	100	-40	-40	-40	-	-
		T4	-40	56	56	56	135	46	135	-40	-40	-40	-	-
		T3	-40	56	56	56	200	37	200	-40	-40	-40	-	-

 = B	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	57	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	72	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	70	135	-40	-40	-40	-	-
		T3	-40	76	76	76	200	64	200	-40	-40	-40	-	-
		T2	-40	76	76	76	300	55	300	-40	-40	-40	-	-
		T1 ¹⁾	-40	76	76	76	400	46	400	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature

 = C	(2)		P1		P2		P3		P4		P5		P6	
			T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a	T _p	T _a
	E, G	T6	-40	60	60	60	85	58	85	-40	-40	-40	-	-
		T5	-40	75	75	75	100	73	100	-40	-40	-40	-	-
		T4	-40	76	76	76	135	71	135	-40	-40	-40	-	-
		T3	-40	76	76	76	200	67	200	-40	-40	-40	-	-
		T2	-40	76	76	76	300	60	300	-40	-40	-40	-	-
		T1 ¹⁾	-40	76	76	76	400	52	400	-40	-40	-40	-	-

1) Functional: Maximum permissible process temperature



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