



* Details: See load diagram in user manual | Details: Siehe Load-Diagram im User-Manual
** F = Floor | Boden, W = Wall | Wand, C = Ceiling | Decke

Technical data Technische Daten	Handling & Assembly Handling & Montage																																		Packaging & Palletising Verpacken & Palettieren										Technical data Technische Daten												
	ES-series ES-Serie		SIA-/SDA-series SIA-/SDA-Serie						HP-/MH-series HP-/MH-Serie																			GP-series GP-Serie				Cleanroom-series Reinraum-Serie						MPK-series MPK-Serie		MPL-series MPL-Serie							MPP-series MPP-Serie										
	ES165RD II	ES200RD II	SIA5F	SIA10F	SIA20F	SDA5F	SDA10F	SDA20F	HP20F	HP20RD II	MH3F	MH5S II MH5F	MH5LS II MH5LF	MH12 MH12F	MH24	MH50 II	MH50-20 II	MH50-35 II	MH80 II	MH110	MH180	MH180-120	MH215 II	MH225	MH250 II	MH280 II	MH400 II	MH600	GP7	GP8	GP12	GP25	CSDA10F	HP20F-CR HP20F-CR7	MH3BM	MH5F-CR7	MH5LF-CR7	MH6F-CR7	MPK2F	MPK2F-5	MPL80 II	MPL100 II	MPL160 II MPL160-100 II	MPL300 II		MPL500 II	MPL800 II	MPP3H	MPP3S								
Industrial robot controller Industrieroboter-Steuerung	DX200	DX200	FS100	FS100	FS100	FS100	FS100	FS100	FS100	DX200	DX200	FS100	FS100 DX200	FS100 DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200	DX200			
Controlled axes Gesteuerte Achsen	6	6	7	7	7	15	15	15	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Max. payload * Max. Traglast *	[kg]	165	200	5	10	20	5	10	20	20	20	3	5	5	12	24	50	20	35	80	110	180	120	215	225	250	280	400	600	7	8	12	25	10	20	3	5	5	6	2	5	80	without Flange 115	with Flange 100	160	100	300	500	800	3	3	Max. payload * Max. Traglast *	[kg]				
Repeatability Wiederholgenauigkeit	[mm]	± 0.2	± 0.2	± 0.06	± 0.6	± 0.1	± 0.06	± 0.1	± 0.1	± 0.06	± 0.06	± 0.03	± 0.02	± 0.03	± 0.08	± 0.06	± 0.07	± 0.15	± 0.07	± 0.07	± 0.07	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.3	± 0.3	± 0.03	± 0.02	± 0.08	± 0.06	± 1.0	± 0.06	± 0.03	± 0.02	± 0.03	± 0.08	± 0.5	± 0.5	± 0.07	± 0.2	± 0.5	± 0.5	± 0.5	± 0.5	± 0.5	± 0.1	± 0.1	Repeatability Wiederholgenauigkeit	[mm]						
Max. working range R Max. Arbeitsbereich R	[mm]	3140	3140	559	720	910	845 / 559	720	1323 / 910	1717	2017	532	706	895	1440	1730	2061	3106	2538	2061	2236	2702	3058	2912	2702	2710	2446	2942	2942	927	727	1440	1730	720 / 720	1717	532	706	895	1422	900	900	2061	2150	3159	3159	3159	3159	3159	3159	1300	800	Max. working range R Max. Arbeitsbereich R	[mm]				
Weight Gewicht	[kg]	1730	1800	30	60	120	110	220	380	268	293	27	27	29	130	268	550	495	570	555	625	970	1010	1140	1000	1130	1120	2700	3050	34	32	150	250	220	268	31	27	29	130	72	72	550	950	1700	1700	1820	2300	2550	115	95	Weight Gewicht	[kg]					
Power supply, average Mittlere Anschlußleistung	[KVA]	5	5	1.0	1.0	2.2	1.4	1.5	4.4	2	2	0.5	1	1	1.5	2	4	3.5	4	4.5	5	5	5	5	6	5	7	7.5	1	1	1.5	2.0	2	2	0.5	1	1	1.5	2.0	1.5	2	2	9.5	9.5	9.5	11	8	1.5	1.5	Power supply, average Mittlere Anschlußleistung	[KVA]						
Mounting option ** Montagemöglichkeit **		F	F	F, W, C	F, W, C	F, W, C	F	F	F	F, W, C	F	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	F, W, C	Mounting option ** Montagemöglichkeit **								
Colour Farbe		YASKAWA Blue	YASKAWA Blue	Blue & White	Blue & White	Blue & White	Blue & White	Blue & White	Blue & White	YASKAWA Blue	YASKAWA Blue	White	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	YASKAWA Blue	Colour Farbe							