



Rail

List of certified products ACOPOS P3 SafeMOTION:
Liste der geprüften Produkte ACOPOS P3 SafeMOTION:

B&R servo drive ACOPOS P3 SafeMOTION
EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

Manufacturer / Hersteller

Test body / Prüfstelle

B&R Industrial Automation GmbH
B&R Strasse 1
5142 Eggelsberg, Austria

TÜV SÜD Rail GmbH
Barthstrasse 16
80339 München, Germany

B&R servo drive ACOPOS P3 SafeMOTION

B&R Servoverstärker ACOPOS P3 SafeMOTION

EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

1. List of certified built-in components: Liste der zertifizierten verbauten Komponenten:

No. Nr.	Product name ¹ Produktbezeichnung ²	Description Beschreibung	Certified versions Zertifizierte Versionen	
			Hardware Revisionen / Firmware Versionen	
			Group 1 safety functions Gruppe 1 Sicherheitsfunktionen	Group 2 safety functions Gruppe 2 Sicherheitsfunktionen
8EI2X2HxTS0.xxxx-1, 8EI4X5HxTS0.xxxx-1, 8EI8X8HxTS0.xxxx-1 ACOPOS P3 servo drive, SafeMOTION EnDat 2.2, 3x 200-480 VAC, 3 axes (2,2A, 4,5A, 8,8A)				
CON	8ZEC000000TS1.00-1	ACP P3 CON module T Safety	B0, B1, C0, D0	C0, D0
PROZ	8ZEP000000001.00-1	ACP P3 PROZ module	C0, D0, E0, F0, G0, H0	F0, G0, H0
LST	8ZEL0088H0TS1.00-1	ACP P3 LST module 8,8 A HV TS	A0, B0, C0, D0, E0	D0, E0
ZUB ³	8ZEX0088HWT10.00-1	Manufacturing mandatory accessories HV T	C0	C0
	8ZEX0088HWT10.01-1	Manufacturing mandatory accessories HV T, with braking resistor	C0	C0
	8ZEX0088HCT10.00-1	Manufacturing mandatory accessories HV T	A0, B0, B1, C0	A0, B0, B1, C0
FAS ⁴	Except for 8EIxxxHxTSx.xx10-1			
	8ZES0022HWTs1.00-1	Factory Setting HV TS	B0, C0, D0, E0	D0, E0
	8ZES0022HWTs1.01-1	Factory Setting HV TS, with braking resistor	B0, C0, D0, E0	D0, E0
	8ZES0045HWTs1.00-1	Factory Setting HV TS	B0, C0, D0, E0	D0, E0
	8ZES0045HWTs1.01-1	Factory Setting HV TS, with braking resistor	B0, C0, D0, E0	D0, E0
	8ZES0088HWTs1.00-1	Factory Setting HV TS	B0, C0, D0, E0	D0, E0

¹ The product name and the hardware revision of the certified components can be taken from the serial number label of the respective ACOPOS P3 servo drive 8EI.

² Die Produktbezeichnung sowie die Hardware Revision der zertifizierten Komponenten können dem Seriennummernetikett des jeweiligen ACOPOS P3 Servoverstärker 8EI entnommen werden.

³ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

⁴ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich



Rail

List of certified products ACOPOS P3 SafeMOTION:
Liste der geprüften Produkte ACOPOS P3 SafeMOTION:

B&R servo drive ACOPOS P3 SafeMOTION
EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

No. Nr.	Product name ¹ Produktbezeichnung ²	Description Beschreibung	Certified versions Zertifizierte Versionen	
			Hardware Revisionen / Firmware Versionen	
			Group 1 safety functions Gruppe 1 Sicherheitsfunktionen	Group 2 safety functions Gruppe 2 Sicherheitsfunktionen
	8ZES0088HWTS1.01-1	Factory Setting HV TS, with braking resistor	A0, B0, C0, D0, E0	D0, E0
FAS ⁵	For 8EIxxxHxTSx.xx10-1			
	8ZES0022HWTS1.S0-1	Factory Setting HV TS	A0, B0, C0	-
	8ZES0022HWTS1.S1-1	Factory Setting HV TS, with braking resistor	A0, B0, C0	-
	8ZES0045HWTS1.S0-1	Factory Setting HV TS	A0, B0, C0	-
	8ZES0045HWTS1.S1-1	Factory Setting HV TS, with braking resistor	A0, B0, C0	-
	8ZES0088HWTS1.S0-1	Factory Setting HV TS	A0, B0, C0	-
	8ZES0088HWTS1.S1-1	Factory Setting HV TS, with braking resistor	A0, B0, C0	-
FW	8ESMC59316	ACOPOS P3 SafeMOTION EnDat2.2 3 Axis	V321 V331 V341 V342 V351	V331 V341 V342 V351
8EI2X2HxDS0.xxxx-1, 8EI4X5HxDS0.xxxx-1, 8EI8X8HxDS0.xxxx-1 ACOPOS P3 servo drive, SafeMOTION EnDat 2.2, 3x 200-480 VAC, 2 axes (2,2A, 4,5A, 8,8A)				
CON	8ZEC000000DS1.00-1	ACP P3 CON module D Safety	B0, B1, C0, D0	C0, D0
PROZ	8ZEP000000001.00-1	ACP P3 PROZ module	C0, D0, E0, F0, G0, H0	F0, G0, H0
LST	8ZEL0088H0DS1.00-1	ACP P3 LST module 8,8 A HV DS	A0, B0, C0, D0, E0	D0, E0
ZUB ⁶	8ZEX0088HWD10.00-1	Manufacturing mandatory accessories HV D	C0	C0
	8ZEX0088HWD10.01-1	Manufacturing mandatory accessories HV D, with braking resistor	C0	C0
	8ZEX0088HCD10.00-1	Manufacturing mandatory accessories HV D	A0, B0, B1, C0	A0, B0, B1, C0
FAS ⁷	Except for 8EIxxxHxDSx.xx10-1			
	8ZES0022HWDS1.00-1	Factory Setting HV DS	B0, C0, D0, E0	D0, E0
	8ZES0022HWDS1.01-1	Factory Setting HV DS, with braking resistor	B0, C0, D0, E0	D0, E0
	8ZES0045HWDS1.00-1	Factory Setting HV DS	B0, C0, D0, E0	D0, E0
	8ZES0045HWDS1.01-1	Factory Setting HV DS, with braking resistor	B0, C0, D0, E0	D0, E0
	8ZES0088HWDS1.00-1	Factory Setting HV DS	B0, C0, D0, E0	D0, E0
	8ZES0088HWDS1.01-1	Factory Setting HV DS, with braking resistor	B0, C0, D0, E0	D0, E0
FAS ⁸	For 8EIxxxHxDSx.xx10-1			
	8ZES0022HWDS1.S0-1	Factory Setting HV DS	A0, B0, C0	-

⁵ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

⁶ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

⁷ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

⁸ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich



Rail

List of certified products ACOPOS P3 SafeMOTION:
Liste der geprüften Produkte ACOPOS P3 SafeMOTION:

B&R servo drive ACOPOS P3 SafeMOTION
EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

No. Nr.	Product name ¹ Produktbezeichnung ²	Description Beschreibung	Certified versions Zertifizierte Versionen	
			Hardware Revisionen / Firmware Versionen	
			Group 1 safety functions Gruppe 1 Sicherheitsfunktionen	Group 2 safety functions Gruppe 2 Sicherheitsfunktionen
	8ZES0022HWDS1.S1-1	Factory Setting HV DS, with braking resistor	A0, B0, C0	-
	8ZES0045HWDS1.S0-1	Factory Setting HV DS	A0, B0, C0	-
	8ZES0045HWDS1.S1-1	Factory Setting HV DS, with braking resistor	A0, B0, C0	-
	8ZES0088HWDS1.S0-1	Factory Setting HV DS	A0, B0, C0	-
	8ZES0088HWDS1.S1-1	Factory Setting HV DS, with braking resistor	A0, B0, C0	-
FW	8ESMC59315	ACOPOS P3 SafeMOTION EnDat2.2 2 Axis	V321 V331 V341 V342 V351	V331 V341 V342 V351
8EI2X2MxTS0.xxxx-1, 8EI4X5MxTS0.xxxx-1, 8EI8X8MxTS0.xxxx-1 ACOPOS P3 servo drive, SafeMOTION EnDat 2.2, 3x 200-230 VAC, 1x 110-230 VAC, 3 axes (2,2A, 4,5A, 8,8A)				
CON	8ZEC000000TS1.00-1	ACP P3 CON module T Safety	B0, B1, C0, D0	C0, D0
PROZ	8ZEP000000001.00-1	ACP P3 PROZ module	C0, D0, E0, F0, G0, H0	F0, G0, H0
LST	8ZEL0088M0TS1.00-1	ACP P3 LST module 8,8 A MV TS	A0, B0, C0, D0, E0	D0, E0
ZUB ⁹	8ZEX0088MWT10.00-1	Manufacturing mandatory accessories MV T	C0	C0
	8ZEX0088MWT10.01-1	Manufacturing mandatory accessories MV T, with braking resistor	C0	C0
	8ZEX0088MCT10.00-1	Manufacturing mandatory accessories MV T	A0, B0, B1, C0	A0, B0, B1, C0
FAS ¹⁰	Except for 8EIxxxMxTSx.xx10-1			
	8ZES0022MWTS1.00-1	Factory Setting MV TS	A0, B0, C0, D0, E0	D0, E0
	8ZES0022MWTS1.01-1	Factory Setting MV TS, with braking resistor	B0, C0, D0, E0	D0, E0
	8ZES0045MWTS1.00-1	Factory Setting MV TS	B0, C0, D0, E0	D0, E0
	8ZES0045MWTS1.01-1	Factory Setting MV TS, with braking resistor	B0, C0, D0, E0	D0, E0
	8ZES0088MWTS1.00-1	Factory Setting MV TS	B0, C0, D0, E0	D0, E0
	8ZES0088MWTS1.01-1	Factory Setting MV TS, with braking resistor	A0, B0, C0, D0, E0	D0, E0
FAS ¹¹	For 8EIxxxMxTSx.xx10-1			
	8ZES0022MWTS1.S0-1	Factory Setting MV TS	A0, B0, C0	-
	8ZES0022MWTS1.S1-1	Factory Setting MV TS, with braking resistor	A0, B0, C0	-
	8ZES0045MWTS1.S0-1	Factory Setting MV TS	A0, B0, C0	-
	8ZES0045MWTS1.S1-1	Factory Setting MV TS, with braking resistor	A0, B0, C0	-

⁹ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

¹⁰ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

¹¹ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich



Rail

List of certified products ACOPOS P3 SafeMOTION:
Liste der geprüften Produkte ACOPOS P3 SafeMOTION:

B&R servo drive ACOPOS P3 SafeMOTION
EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

No. Nr.	Product name ¹ Produktbezeichnung ²	Description Beschreibung	Certified versions Zertifizierte Versionen	
			Hardware Revisionen / Firmware Versionen	
			Group 1 safety functions Gruppe 1 Sicherheitsfunktionen	Group 2 safety functions Gruppe 2 Sicherheitsfunktionen
	8ZES0088MWTS1.S0-1	Factory Setting MV TS	A0, B0, C0	-
	8ZES0088MWTS1.S1-1	Factory Setting MV TS, with braking resistor	A0, B0, C0	-
FW	8ESMC59316	ACOPOS P3 SafeMOTION EnDat2.2 3 Axis	V321 V331 V341 V342 V351	V331 V341 V342 V351
8EI2X2MxDS0.xxxx-1, 8EI4X5MxDS0.xxxx-1, 8EI8X8MxDS0.xxxx-1 ACOPOS P3 servo drive, SafeMOTION EnDat 2.2, 3x 200-230 VAC, 1x 110-230 VAC, 2 axes (2,2A, 4,5A, 8,8A)				
CON	8ZEC000000DS1.00-1	ACP P3 CON module D Safety	B0, B1, C0, D0	C0, D0
PROZ	8ZEP000000001.00-1	ACP P3 PROZ module	C0, D0, E0, F0, G0, H0	F0, G0, H0
LST	8ZEL0088M0DS1.00-1	ACP P3 LST module 8,8 A MV DS	A0, B0, C0, D0, E0	D0, E0
ZUB ¹²	8ZEX0088MWD10.00-1	Manufacturing mandatory accessories MV D	C0	C0
	8ZEX0088MWD10.01-1	Manufacturing mandatory accessories MV D, with braking resistor	C0	C0
	8ZEX0088MCD10.00-1	Manufacturing mandatory accessories MV D	A0, B0, B1, C0	A0, B0, B1, C0
FAS ¹³	Except for 8EIxxxMxDSx.xx10-1			
	8ZES0022MWDS1.00-1	Factory Setting MV DS	B0, C0, D0, E0	D0, E0
	8ZES0022MWDS1.01-1	Factory Setting MV DS, with braking resistor	B0, C0, D0, E0	D0, E0
	8ZES0045MWDS1.00-1	Factory Setting MV DS	B0, C0, D0, E0	D0, E0
	8ZES0045MWDS1.01-1	Factory Setting MV DS, with braking resistor	B0, C0, D0, E0	D0, E0
	8ZES0088MWDS1.00-1	Factory Setting MV DS	B0, C0, D0, E0	D0, E0
	8ZES0088MWDS1.01-1	Factory Setting MV DS, with braking resistor	B0, C0, D0, E0	D0, E0
FAS ¹⁴	For 8EIxxxMxDSx.xx10-1			
	8ZES0022MWDS1.S0-1	Factory Setting MV DS	A0, B0, C0	-
	8ZES0022MWDS1.S1-1	Factory Setting MV DS, with braking resistor	A0, B0, C0	-
	8ZES0045MWDS1.S0-1	Factory Setting MV DS	A0, B0, C0	-
	8ZES0045MWDS1.S1-1	Factory Setting MV DS, with braking resistor	A0, B0, C0	-
	8ZES0088MWDS1.S0-1	Factory Setting MV DS	A0, B0, C0	-
FW	8ESMC59315	ACOPOS P3 SafeMOTION EnDat2.2 2 Axis	V321	V331
			V331	V341

¹² One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

¹³ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

¹⁴ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich



Rail

List of certified products ACOPOS P3 SafeMOTION:
Liste der geprüften Produkte ACOPOS P3 SafeMOTION:

B&R servo drive ACOPOS P3 SafeMOTION
EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

No. Nr.	Product name ¹ Produktbezeichnung ²	Description Beschreibung	Certified versions Zertifizierte Versionen	
			Hardware Revisionen / Firmware Versionen	
			Group 1 safety functions Gruppe 1 Sicherheitsfunktionen	Group 2 safety functions Gruppe 2 Sicherheitsfunktionen
			V341 V342 V351	V342 V351
8EI1X6HxSS0.xxxx-1, 8EI2X2HxSS0.xxxx-1, 8EI4X5HxSS0.xxxx-1, 8EI8X8HxSS0.xxxx-1 ACOPOS P3 servo drive, SafeMOTION EnDat 2.2, 3x 200-480 VAC, 1 axis (1,6A, 2,2A, 4,5A, 8,8A)				
CON	8ZEC000000SS1.00-1	ACP P3 CON module S Safety	B0, C0, D0	C0, D0
PROZ	8ZEP000000001.00-1	ACP P3 PROZ module	C0, D0, E0, F0, G0, H0	F0, G0, H0
LST	8ZEL0088H0SS1.00-1	ACP P3 LST module 8,8 A HV SS	B1, C0, D0, E0	D0, E0
ZUB ¹⁵	8ZEX0088HWS10.00-1	Manufacturing mandatory accessories HV S	C0	C0
	8ZEX0088HWS10.01-1	Manufacturing mandatory accessories HV S, with braking resistor	C0	C0
	8ZEX0088HCS10.00-1	Manufacturing mandatory accessories HV S	A0, B0, B1, C0	A0, B0, B1, C0
FAS ¹⁶	Except for 8EIxxxHxSSx.xx10-1			
	8ZES0016HWSS1.00-1	Factory Setting HV SS	B1, C0, D0	D0
	8ZES0016HWSS1.01-1	Factory Setting HV SS, with braking resistor	B1, C0, D0	D0
	8ZES0022HWSS1.00-1	Factory Setting HV SS	B1, C0, D0	D0
	8ZES0022HWSS1.01-1	Factory Setting HV SS, with braking resistor	B1, C0, D0	D0
	8ZES0045HWSS1.00-1	Factory Setting HV SS	B1, C0, D0	D0
	8ZES0045HWSS1.01-1	Factory Setting HV SS, with braking resistor	B1, C0, D0	D0
	8ZES0088HWSS1.00-1	Factory Setting HV SS	B1, C0, D0	D0
	8ZES0088HWSS1.01-1	Factory Setting HV SS, with braking resistor	B1, C0, D0	D0
FAS ¹⁷	For 8EIxxxHxSSx.xx10-1			
	8ZES0016HWSS1.S0-1	Factory Setting HV SS	A0, B0, C0	-
	8ZES0016HWSS1.S1-1	Factory Setting HV SS, with braking resistor	A0, B0, C0	-
	8ZES0022HWSS1.S0-1	Factory Setting HV SS	A0, B0, C0	-
	8ZES0022HWSS1.S1-1	Factory Setting HV SS, with braking resistor	A0, B0, C0	-
	8ZES0045HWSS1.S0-1	Factory Setting HV SS	A0, B0, C0	-
	8ZES0045HWSS1.S1-1	Factory Setting HV SS, with braking resistor	A0, B0, C0	-
	8ZES0088HWSS1.S0-1	Factory Setting HV SS	A0, B0, C0	-
	8ZES0088HWSS1.S1-1	Factory Setting HV SS, with braking resistor	A0, B0, C0	-

¹⁵ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

¹⁶ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

¹⁷ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich



List of certified products ACOPOS P3 SafeMOTION:
Liste der geprüften Produkte ACOPOS P3 SafeMOTION:

B&R servo drive ACOPOS P3 SafeMOTION
EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

No. Nr.	Product name ¹ Produktbezeichnung ²	Description Beschreibung	Certified versions Zertifizierte Versionen	
			Hardware Revisionen / Firmware Versionen	
			Group 1 safety functions Gruppe 1 Sicherheitsfunktionen	Group 2 safety functions Gruppe 2 Sicherheitsfunktionen
FW	8ESMC59314	ACOPOS P3 SafeMOTION EnDat2.2 1 Axis	V321 V331 V341 V342 V351	V331 V341 V342 V351
8EI1X6MxSS0.xxxx-1, 8EI2X2MxSS0.xxxx-1, 8EI4X5MxSS0.xxxx-1, 8EI8X8MxSS0.xxxx-1 ACOPOS P3 servo drive, SafeMOTION EnDat 2.2, 3x 200-230 VAC, 1x 110-230 VAC, 1 axis (1,6A, 2,2A, 4,5A, 8,8A)				
CON	8ZEC000000SS1.00-1	ACP P3 CON module S Safety	B0, C0, D0	C0, D0
PROZ	8ZEP000000001.00-1	ACP P3 PROZ module	C0, D0, E0, F0, G0, H0	F0, G0, H0
LST	8ZEL0088M0SS1.00-1	ACP P3 LST module 8,8 A MV SS	B1, C0, D0, E0	D0, E0
ZUB ¹⁸	8ZEX0088MWS10.00-1	Manufacturing mandatory accessories MV S	C0	C0
	8ZEX0088MWS10.01-1	Manufacturing mandatory accessories MV S, with braking resistor	C0	C0
	8ZEX0088MCS10.00-1	Manufacturing mandatory accessories MV S	A0, B0, B1, C0	A0, B0, B1, C0
FAS ¹⁹	Except for 8EIxxxMxSSx.xx10-1			
	8ZES0016MWSS1.00-1	Factory Setting MV SS	B1, C0, D0	D0
	8ZES0016MWSS1.01-1	Factory Setting MV SS, with braking resistor	B1, C0, D0	D0
	8ZES0022MWSS1.00-1	Factory Setting MV SS	B1, C0, D0	D0
	8ZES0022MWSS1.01-1	Factory Setting MV SS, with braking resistor	B1, C0, D0	D0
	8ZES0045MWSS1.00-1	Factory Setting MV SS	B1, C0, D0	D0
	8ZES0045MWSS1.01-1	Factory Setting MV SS, with braking resistor	B1, C0, D0	D0
	8ZES0088MWSS1.00-1	Factory Setting MV SS	B1, C0, D0	D0
FAS ²⁰	For 8EIxxxMxSSx.xx10-1			
	8ZES0016MWSS1.S0-1	Factory Setting MV SS	A0, B0, C0	-
	8ZES0016MWSS1.S1-1	Factory Setting MV SS, with braking resistor	A0, B0, C0	-
	8ZES0022MWSS1.S0-1	Factory Setting MV SS	A0, B0, C0	-
	8ZES0022MWSS1.S1-1	Factory Setting MV SS, with braking resistor	A0, B0, C0	-
	8ZES0045MWSS1.S0-1	Factory Setting MV SS	A0, B0, C0	-
	8ZES0045MWSS1.S1-1	Factory Setting MV SS, with braking resistor	A0, B0, C0	-
	8ZES0088MWSS1.S0-1	Factory Setting MV SS	A0, B0, C0	-

¹⁸ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

¹⁹ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

²⁰ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich



Rail

List of certified products ACOPOS P3 SafeMOTION:
Liste der geprüften Produkte ACOPOS P3 SafeMOTION:

B&R servo drive ACOPOS P3 SafeMOTION
EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

No. Nr.	Product name ¹ Produktbezeichnung ²	Description Beschreibung	Certified versions Zertifizierte Versionen	
			Hardware Revisionen / Firmware Versionen	
			Group 1 safety functions Gruppe 1 Sicherheitsfunktionen	Group 2 safety functions Gruppe 2 Sicherheitsfunktionen
	8ZES0088MWSS1.S1-1	Factory Setting MV SS, with braking resistor	A0, B0, C0	-
FW	8ESMC59314	ACOPOS P3 SafeMOTION EnDat2.2 1 Axis	V321 V331 V341 V342 V351	V331 V341 V342 V351
8EI013HxSS0.xxxx-1, 8EI017HxSS0.xxxx-1 ACOPOS P3 servo drive, SafeMOTION EnDat 2.2, 3x 200-480 VAC, 1 axis (13A, 17A)				
CON	8ZEC000000SS1.00-1	ACP P3 CON module S Safety	B0, C0, D0	C0, D0
PROZ	8ZEP000000001.00-1	ACP P3 PROZ module	C0, D0, E0, F0, G0, H0	F0, G0, H0
LST	8ZEL0170H0SS1.00-1	ACP P3 LST module 17 A HV SS	B0, C0, D0, E0	D0, E0
ZUB ²¹	8ZEX0170HWS10.00-1	Manufacturing mandatory accessories HV S	C0, D0	D0
	8ZEX0170HWS10.01-1	Manufacturing mandatory accessories HV S, with braking resistor	C0, D0	D0
	8ZEX0170HCS10.00-1	Manufacturing mandatory accessories HV S	A0, B0, B1, C0	A0, B0, B1, C0
FAS ²²	Except for 8EIxxxHxSSx.xx10-1			
	8ZES0130HWSS1.00-1	Factory Setting HV SS	B0, C0, D0	D0
	8ZES0130HWSS1.01-1	Factory Setting HV SS, with braking resistor	B0, C0, D0	D0
	8ZES0170HWSS1.00-1	Factory Setting HV SS	B0, C0, D0	D0
	8ZES0170HWSS1.01-1	Factory Setting HV SS, with braking resistor	B0, C0, D0	D0
FAS ²³	For 8EIxxxHxSSx.xx10-1			
	8ZES0130HWSS1.S0-1	Factory Setting HV SS	A0, B0, C0	-
	8ZES0130HWSS1.S1-1	Factory Setting HV SS, with braking resistor	A0, B0, C0	-
	8ZES0170HWSS1.S0-1	Factory Setting HV SS	A0, B0, C0	-
	8ZES0170HWSS1.S1-1	Factory Setting HV SS, with braking resistor	A0, B0, C0	-
FW	8ESMC59314	ACOPOS P3 SafeMOTION EnDat2.2 1 Axis	V321 V331 V341 V342 V351	V331 V341 V342 V351
8EI024HxSS0.xxxx-1, 8EI034HxSS0.xxxx-1, 8EI044HxSS0.xxxx-1 ACOPOS P3 servo drive, SafeMOTION EnDat 2.2, 3x 200-480 VAC, 1 axis (24A, 34A, 44A)				
CON	8ZEC000000SS1.00-1	ACP P3 CON module S Safety	B0, C0, D0	N.A.

²¹ erforderlich One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

²² One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

²³ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich



Rail

List of certified products ACOPOS P3 SafeMOTION:
Liste der geprüften Produkte ACOPOS P3 SafeMOTION:

B&R servo drive ACOPOS P3 SafeMOTION
EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

No. Nr.	Product name ¹ Produktbezeichnung ²	Description Beschreibung	Certified versions Zertifizierte Versionen	
			Hardware Revisionen / Firmware Versionen	
			Group 1 safety functions Gruppe 1 Sicherheitsfunktionen	Group 2 safety functions Gruppe 2 Sicherheitsfunktionen
PROZ	8ZEP000000001.00-1	ACP P3 PROZ module	C0, D0, E0, F0, G0, H0	N.A.
LST	8ZEL0440H0SS1.00-1	ACP P3 LST module 44 A HV SS	B1, C0	N.A.
ELK	8ZEE044000SS1.00-1	ACP P3 ELK module 44 A SS	B1, C0	N.A.
BUS	8ZEB044000S01.00-1	ACP P3 BUS module 44 A S	C0	N.A.
ZUB	8ZEX0440HWS10.00-1	Manufacturing mandatory accessories HV S	C0	N.A.
	8ZEX0440HCS10.00-1	Manufacturing mandatory accessories HV S	A0, B0, C0	N.A.
FAS ²⁴	Except for 8ElxxxHxSSx.xx10-1			
	8ZES0240HWSS1.V0-1	Factory Setting HV SS	B1, C0	N.A.
	8ZES0340HWSS1.00-1	Factory Setting HV SS	B1, C0	N.A.
	8ZES0440HWSS1.00-1	Factory Setting HV SS	B1, C0	N.A.
FAS ²⁵	For 8ElxxxHxSSx.xx10-1			
	8ZES0340HWSS1.S0-1	Factory Setting HV SS	A0, B0, C0	-
	8ZES0440HWSS1.S0-1	Factory Setting HV SS	A0, B0, C0	-
FW	8ESMC59314	ACOPOS P3 SafeMOTION EnDat2.2 1 Axis	V321 V331 V341 V342 V351	V331 V341 V342 V351
8EI017HxDS0.xxxx-1, 8EI022HxDS0.xxxx-1 ACOPOS P3 servo drive, SafeMOTION EnDat 2.2, 3x 200-480 VAC, 2 axes (17A, 22A)				
CON	8ZEC000000DS1.00-1	ACP P3 CON module D Safety	B0, B1, C0, D0	C0, D0
PROZ	8ZEP000000001.00-1	ACP P3 PROZ module	C0, D0, E0, F0, G0, H0	F0, G0, H0
LST	8ZEL0220H0DS1.00-1	ACP P3 LST module 22 A HV DS	B0, C0, D0, E0	D0, E0
ELK	8ZEE022000DS1.00-1	ACP P3 ELK module 22 A DS	B0, C0, D0, E0	D0, E0
BUS	8ZEB022000D01.00-1	ACP P3 BUS module 22 A D	C0, D0, E0	E0
ZUB	8ZEX0220HWD10.00-1	Manufacturing mandatory accessories HV D	C0	C0
	8ZEX0220HCD10.00-1	Manufacturing mandatory accessories HV D	A0, B0, B1, C0	A0, B0, B1, C0
FAS ²⁶	Except for 8ElxxxHxDSx.xx10-1			
	8ZES0170HWDS1.00-1	Factory Setting HV DS	B1, C0, D0	D0
	8ZES0220HWDS1.00-1	Factory Setting HV DS	B1, C0, D0	D0
FAS ²⁷	For 8ElxxxHxDSx.xx10-1			
	8ZES0170HWDS1.S0-1	Factory Setting HV DS	A0, B0, C0	-

²⁴ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

²⁵ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

²⁶ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich

²⁷ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich



List of certified products ACOPOS P3 SafeMOTION:
Liste der geprüften Produkte ACOPOS P3 SafeMOTION:

B&R servo drive ACOPOS P3 SafeMOTION
EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

No. Nr.	Product name ¹ Produktbezeichnung ²	Description Beschreibung	Certified versions Zertifizierte Versionen	
			Hardware Revisionen / Firmware Versionen	
			Group 1 safety functions Gruppe 1 Sicherheitsfunktionen	Group 2 safety functions Gruppe 2 Sicherheitsfunktionen
	8ZES0220HWDS1.S0-1	Factory Setting HV DS	A0, B0, C0	-
FW	8ESMC59315	ACOPOS P3 SafeMOTION EnDat2.2 2 Axis	V321 V331 V341 V342 V351	V331 V341 V342 V351
8EI017HCDS2.xxxx-1, 8EI022HCDS2.xxxx-1 ACOPOS P3 servo drive, SafeMOTION EnDat 2.2, Input: -, 2 axes (17A, 22A)				
CON	8ZEC000000DS1.00-1	ACP P3 CON module D Safety	B0, B1, C0, D0	C0, D0
PROZ	8ZEP000000001.00-1	ACP P3 PROZ module	C0, D0, E0, F0, G0, H0	F0, G0, H0
LST	8ZEL0220H0DS1.30-1	ACP P3 LST module 22 A HV DS O	A0, B0, C0	A0, B0, C0
ELK	8ZEE022000DS1.00-1	ACP P3 ELK module 22 A DS	B0, C0, D0, E0	D0, E0
BUS	8ZEB022000D01.00-1	ACP P3 BUS module 22 A D	C0, D0, E0	E0
ZUB	8ZEX0220HWD10.00-1	Manufacturing mandatory accessories HV D	C0	C0
	8ZEX0220HCD10.00-1	Manufacturing mandatory accessories HV D	A0, B0, B1, C0	A0, B0, B1, C0
FAS ²⁸	8ZES0170HWDS1.30-1	Factory Setting HV DS O	A0, B0, C0	A0, B0, C0
	8ZES0220HWDS1.30-1	Factory Setting HV DS O	A0, B0, C0	A0, B0, C0
FW	8ESMC59315	ACOPOS P3 SafeMOTION EnDat2.2 2 Axis	V321 V331 V341 V342 V351	V331 V341 V342 V351

2. List of certified User Manual revisions:
Liste der zertifizierten Handbuch Revisionen:

No. Nr.	Product name Produktbezeichnung	Title Titel	Certified versions Zertifizierte Versionen
AWB 1	MAACPMSAFEMC-GER	ACOPOS P3 SafeMOTION user's manual, German	4.2.5, 4.3.0, 4.4, 4.5.1, 4.5.2, 4.6, 4.7, 4.8, 4.8.1
AWB 2	MAACPMSAFEMC-ENG	ACOPOS P3 SafeMOTION user's manual, English	4.2.5, 4.3.0, 4.4, 4.5.1, 4.5.2, 4.6, 4.7, 4.8, 4.8.1

²⁸ One of the built-in components is required / Eine der verbauten Komponenten ist erforderlich



Rail

List of certified products ACOPOS P3 SafeMOTION:
Liste der geprüften Produkte ACOPOS P3 SafeMOTION:

B&R servo drive ACOPOS P3 SafeMOTION
EC-Type Examination Certificate No.: M6A 041745 0009 Rev. 03

3. Safety functions:
Sicherheitsfunktionen:

B&R servo drive ACOPOS P3 SafeMOTION EnDat 2.2 realizes the following safety functions according the EC-Type Examination Certificate according EN 61800-5-2.

Der B&R Servoverstärker ACOPOS P3 SafeMOTION EnDat 2.2 realisiert die folgenden Sicherheitsfunktionen gemäss der EG-Baumusterbescheinigung nach EN 61800-5-2.

Safety functions Group 1 Sicherheitsfunktionen Gruppe 1	Safety Integrity Sicherheitsintegrität
Safe Torque Off (STO)	SIL 3 / PL e / Kat 4
Safe Torque Off One Channel (STO1)	SIL 2 / PL d / Kat 3
Safe Brake Control (SBC)	SIL 2 / PL d / Kat 3
Safe Operating Stop (SOS)	SIL 2 / PL d / Kat 3
Safe Stop 1 (SS1)	SIL 2 / PL d / Kat 3 (ramp based monitoring) SIL 3 / PL e / Kat 4 (time-based monitoring)
Safe Stop 2 (SS2)	SIL 2 / PL d / Kat 3
Safely Limited Speed (SLS)	SIL 2 / PL d / Kat 3
Safe Maximum Speed (SMS)	SIL 2 / PL d / Kat 3
Safe Direction (SDI)	SIL 2 / PL d / Kat 3
Safely Limited Increment (SLI)	SIL 2 / PL d / Kat 3
Safe Limited Position (SLP)	SIL 2 / PL d / Kat 3
Safe Maximum Position (SMP)	SIL 2 / PL d / Kat 3
Safe Limited Acceleration (SLA)	SIL 2 / PL d / Kat 3
Safe Homing	SIL 2 / PL d / Kat 3
Remanent Safe Position (RSP)	SIL 2 / PL d / Kat 3

Depending on the firmware version and hardware revision, additionally the Group 2 safety functions are realized:

Abhängig von der Firmware Version und Hardware Revision sind zusätzlich die Sicherheitsfunktionen der Gruppe 2 realisiert:

Safety functions Group 2 Sicherheitsfunktionen Gruppe 2	Safety Integrity Sicherheitsintegrität
Safe Brake Test (SBT)	SIL 2 / PL d / Kat 3 SIL 2 / PL d / Kat 2
Safely Limited Torque (SLT)	SIL 2 / PL d / Kat 3 SIL 2 / PL d / Kat 2
Safely Limited Speed (SLS with SSO)	SIL 2 / PL d / Kat 3

The safety function STO (SafeTorque Off) is conform to stop category 0 according EN 60204-1.
Die Sicherheitsfunktion STO (Safe Torque Off) entspricht Stopp-Kategorie 0 nach EN 60204-1.

The safety function SS1 (Safe Stop 1) is conform to stop category 1 according EN 60204-1.
Die Sicherheitsfunktion SS1 (Safe Stop 1) entspricht Stopp-Kategorie 1 nach EN 60204-1.

The safety function SS2 (Safe Stop 2) is conform to stop category 2 according EN 60204-1.
Die Sicherheitsfunktion SS2 (Safe Stop 2) entspricht Stopp-Kategorie 2 nach EN 60204-1.



4. Version History:
Versionshistorie:

Revision:	Name:	Date:	Changes/History:
1.0	K. Leupold	2017-03-09	Initial. Technical Report: BE90381T
1.1	K. Leupold	2017-03-13	Correction HW-Revisions of CON modules
1.2	K. Leupold	2017-08-04	New single Axis variant, new version PROZ module BE91304T
1.3	K. Leupold	2018-09-14	New single and double Axis variant BE91304T
1.4	K. Leupold	2018-12-19	New safety functions, new Firmware version, new User Manual version Add new module-variant for Feed through and coldplate mounting plates BE93504T
1.5	K. Leupold	2019-10-07	New module-variant for Group 2 SF, new User Manual version, new Firmware version 341 BE94169T
1.6	K. Leupold	2019-11-28	New Certificate number, added stopp categories 1,2
1.7	K. Leupold	2020-04-16	Updated User Manual / BE95041T
1.8	D. Oldendorf	2021-01-28	Updated encoder independent document title
1.9	K. Leupold	2020-09-18	additional category for SLT / SBT, add new HW-Revisions BE96221T
2.0	K. Leupold / D. Oldendorf	2021-06-23	Add new HW-Revisions, STO is according EN 60204-1 New module-variant for Group 2 SF (BE96956T), New FW-Version V342 (BE97067T)
2.1	K. Leupold / D. Oldendorf	2021-07-12	Add new module-variant for feed through and coldplate mounting plates (BE97119T)
2.2	J. Diehl	2021-12-02	FW update to V351 BE97865T
2.3	K. Leupold	2022-10-20	New modules 8EI017HCDS2.xxxx-1, 8EI022HCDS2.xxxx-1 New modules with different FAS (2,5kHz) BE99628T

	Release by Test Body: Freigabe Prüfstelle:	Release by Certification Body: Freigabe Zertifizierstelle:	Release by Manufacturer: Freigabe Hersteller:
Date: Datum:			
Signature: Unterschrift:			