

# Certificate

No. SEBS-A.162311/13, V 2.0

TÜV NORD Systems GmbH & Co. KG hereby certifies

Parker Hannifin GmbH & Co. KG  
Robert-Bosch-Str. 22  
77656 Offenburg  
Germany

that the drive series

## PSD1

for the safety function documented in the tracking list, meet the requirements listed in the following standards

- IEC 61508 part 1:2010, part 2:2010; capable up to SIL 3
- ISO 13849 part 1:2015, part 2:2012; capable up to PL e (category 3)
- EN 61800-5-2:2017; capable up to SIL 3

Base of certification is the report SEBS-A.162311/13TB-2 and the tracking list in the valid version.

This certificate entitles the holder to use the pictured safety approved mark.

Valid until: 2026-12-01  
File reference: 8110500255

Hamburg, 2021-12-01

  
B. Pfuff



## Tracking-list Revision 1.6 for released versions of the certified PSD1 drives

Certification No. SEBS-A.162311/13, V 2.0

PSD1 Type Code	Safety Function	Assessment Report from TÜV NORD	ID	Date of certification	Expiry Date
PSD1SW1200xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1SW1200xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1SW1200xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1SW1300xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1SW1300xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1SW1300xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1300xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1300xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1300xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1400xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1400xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1400xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1600xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1600xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1600xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1800xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1800xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW1800xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2220xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2220xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01

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PSD1MW2220xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2330xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2330xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2330xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2440xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2440xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2440xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2630xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2630xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW2630xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW3222xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW3222xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW3222xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW3433xxx0xxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW3433xxxAxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1MW3433xxxBxxxx	STO	SEBS-A.162311/13TB-2 V1.5	8110500255	2021-12-01	2026-12-01
PSD1SW1200x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01
PSD1SW1300x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01

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PSD1MW1300x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01
PSD1MW1400x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01
PSD1MW1600x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01
PSD1MW1800x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01
PSD1MW2220x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01
PSD1MW2330x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01
PSD1MW2440x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01
PSD1MW2630x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01
PSD1MW3222x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01
PSD1MW3433x111xxxx	Advanced Safety Functions *	SEBS-A.162311/13TB-2 V1.5 SEBS-A.125148/16TB V1.0	8110500255 8113561591	2021-12-01	2026-12-01

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* Advanced Safety Functions		
Safety Function	Abbreviation	Capable up to
Safe Fieldbus		SIL3 / PL <sub>e</sub>
Safe Torque Off	STO	SIL3 / PL <sub>e</sub>
Transmission of Safe Speed and Safe Fieldbus		SIL3 / PL <sub>d</sub>
Safe Brake Control	SBC	SIL2 / PL <sub>d</sub>
Safe Stop 1	SS1	SIL2 / PL <sub>d</sub>
Safe Stop 2	SS2	SIL2 / PL <sub>d</sub>
Safe Operating Stop	SOS	SIL2 / PL <sub>d</sub>
Safety-Limited Increment	SLI	SIL2 / PL <sub>d</sub>
Safety-Limited Position	SLP	SIL2 / PL <sub>d</sub>
Safe Cam	SCA	SIL2 / PL <sub>d</sub>
Safe Maximum Speed	SMS	SIL2 / PL <sub>d</sub>
Safety-Limited Speed	SLS	SIL2 / PL <sub>d</sub>
Safe Direction	SDI	SIL2 / PL <sub>d</sub>
Safe Speed Monitor	SSM	SIL2 / PL <sub>d</sub>

	Release Parker:	Release Assessor:	Release Certification Body:
Signature:			
Date:			