

Test Report

Safely-Limited Speed

Customer

_____**XF**

Production machine

Prep.	Test Report: SLS Machine		
Appr.			
Resp. dept.			
	Document number	Lang. en	Rev. ind.

Verification of the Safely-Limited Speed circuit cabling and Safety-PLC configurations

Please choose relevant alternatives:

<input type="radio"/>	The on site installed safely-limited speed equipment connections to the drive cabinet are checked against the circuit diagrams.	
<input type="radio"/>	The on site installed safely-limited speed equipment connections to the drive cabinet are identical with the circuit diagrams.	
<input type="radio"/>	Deviations in the on site installed safely-limited speed connections to the drive cabinet are repaired and reported to the Safety organization.	
<input type="radio"/>	Configurations are downloaded to the S-PLC. S-PLC Configurator version: _____	

Configurations of the Safety System

o Configurations are downloaded to the S-PLC's.								
	S-PLC Configurator version	Hardware version of the S-PLC	Name of the configuration	Checksum safe	Checksum safe without Level 3	Checksum safe Level 3	Total project checksum	Drive
o	v7.2.0	6,1		EAE0	7930	3818	CAB8	D120
o	v7.2.0							D121

Safely-Limited Speed (crawl speed) Test Results

Check the safety relay operations according to the following list.

OK	Component	Ident	Result	Comments
			Visual / functional	
	A. Safely-limited speed (SLS) in S-PLC S-PLC, inputs -A40.X5:6-7 are low, S-PLC Speed < crawl speed	=__-A40 =__- A40.10.X12	Output relays –A40.X3:1-2 & –A40.X3:3-4 will pick up when speed is less than crawl speed.	
	B. Safely-limited speed (SLS) in S-PLC safety system S-PLC, inputs -A40.X5:6-7 are low, S-PLC Speed > crawl speed	=__-A40 =__- A40.10.X12	When speed is more than crawl speed: the output relays–A40.X3:1-2 & –A40.X3:3-4 will release, (i.e. STO) and the output –A40.X1:4 starts blinking and the operator displays show "Over safe speed". "Start inhibition" activated. After sending reset to the input –A40.X5:5, display text disappears and the drive is ok.	Reset from the operator panel or PPA to the drive
o	A. Speed < crawl speed	=__-A40		D120 Speed limit n2: ____ 1/min
o	B. Speed > crawl speed	=__-A40		D120
o	A. Speed < crawl speed	=__-A40		D121 Speed limit n2: ____ 1/min
o	B. Speed > crawl speed	=__-A40		D121

Validation of the Safely-Limited Speed functions

Please choose relevant alternatives.

<input type="radio"/>	No unsafe behavior was discovered in the safely-limited speed functions during the tests.
<input type="radio"/>	Failure in the safely-limited speed functions detected and failure report attached.
<input type="radio"/>	Failure in the safe speed monitoring functions repaired and reported to the Safety organization.
<input type="radio"/>	The safe speed monitoring functions were found safe and were approved to be put into operation.

Additional comments

Personal signatures

The tests have been conducted according to this document.

Test engineer	
Company	
Signature	
Date	
Place	