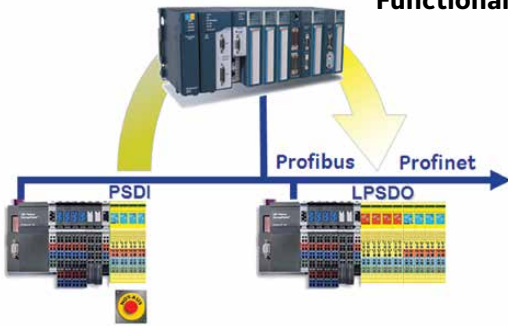## Functional Safety Modules

VersaSafe is a SIL3 TUV certified safety solution, well integrated in the PACSystems RX3i platform.

VersaSafe technology offers RX3i users, in particular machine OEMs, a scalable and cost efficient SIL 3 safety solution, without need of an additional, complex safety PLC and safety network. Users can add the exact number of safe I/O modules required, with the ability to expand to more than 100 safe I/Os. Even if the application requires a low number of safe I/O, VersaSafe still offers a cost efficient solution.

The safety I/O is distributed via VersaPoint PROFIBUS NIU or PROFINET RT NIU, and can be combined with any standard I/O on the same network.

Well integrated into the RX3i system, VersaSafe is easy to use. Since the RX3i is the single point of connection, both safe and standard I/O can be combined in the same logic program. Integration into the RX3i also enables significant cost reduction because the status of all safe I/Os is directly available in the standard application logic without the need to hard wire. The safety programming tool provides a safe function block library so standard machine safety applications can be realized with configuration instead of complex programming.

	IC220SDL543	IC220SDL544	IC220SDL953	IC220SDL963	IC220SDL753	IC220SDL752	IC220SDL840
Product Name	**Safe Input, 24 VDC Positive Logic**	**Safe Input, 24 VDC Positive Logic**	**Safety Logic Module (V2), Safe Output, 24 VDC Positive Logic**	**Enhanced Safety Logic Module (V3), Safe Output, 24 VDC Positive Logic**	**Safe Output, 24 VDC Positive Logic 2 A**	**Safe Output, 24 VDC Sink/ Source**	**Safe Output, Relay 4A, 4PT, with 2 contacts each**
Lifecycle Status	Active	Active	Active	Active	Active	Active	Active
Voltage	0 - 30 VDC	0 - 30 VDC	0 - 30 VDC	0 - 30 VDC	0 - 30 VDC	0 - 30 VDC	24V and 230V
Applications	Safe Input	Safe Input	Safe Logic Output	Enh. Safe Logic Output	Safe Output	Safe Output	Safe Relay Output
Number of Points SIL2 / CAT3	8	16	8	8	8	4	4
Number of Points SIL3 / CAT4	4	8	4	4	4	2	2
Clock Outputs	2	2	-	-	-	-	2
Diagnostic Inputs	-	-	-	-	-	-	2
Diagnostic Bits	-	-	32 Bits In 32 Bits Out	32 Bits In 32 Bits Out	-	-	-
Max. Safety Level SIL / IEC61508	3	3	3	3	3	3	3
Max. Safety Level SILC / IEC62061	3	3	3	3	3	3	3
Max. Safety Level PL / ISO 13849-1	e	e	e	e	e	e	e
Max. Safety Level Category / CAT	4	4	4	4	4	4	4