CS MF pre-programmed multifunction module

GEMNIS

An increasing number of users requires products to carry out several safety functions without needing the complex management of a safety PLC or the complex wiring of many traditional safety modules. Such problems mainly arise when the safety functions are usually greater than 3 or 4, and/or when managing a safety PLC software (software purchase, training courses, programming of all modules, software management and filing, updates etc.) turns out to be difficult in relation to problem complexity.

Pizzato Elettrica introduces Gemnis, a series of electronic modules which are pre-programmed for specific customers' applications or for generic safety macro-functions commonly used in industrial contexts. The following pages list some of the products pre-programmed for generic macro-functions commonly addressed to the industrial sector. Such products can be freely purchased even individually. Any customer requiring a product pre-programmed on particular specifications can contact the Pizzato Elettrica technical department (minimum volumes are requested).

The resulting advantages for customers typically include simple product management (purchase of finished components) and reduced general costs (no software to be installed and managed, products immediately operative).

All the Gemnis series products are able to provide circuit solutions at SIL3 (EN 62061), PLe (EN 13849) or category 4 (EN 954-1) levels.

TÜV approval pending.

Product code	Functions provided		Safe outputs	Signalling outputs
CS MF201M0-P1	Monitoring of 2 guards in AND and 1 emergency stop with automatic or manual monitored start.		3 NO	4 PNP
CS MF202M0-P2	Monitoring of 4 guards in AND, 1 bypass selector, 1 emergency stop, automatic or manual monitored start, general enabling signal.		4 PNP	4 PNP
CS MF202M0-P3	Monitoring of 6 guards in AND (2NC contacts), 1 emergency stop, automatic or manual monitored start.		4 PNP	4 PNP
CS MF202M0-P4	Monitoring of 6 guards in AND (1NC+1NO contacts), 1 emergency stop, automatic or manual monitored start.		4 PNP	4 PNP
CS MF202M0-P5	Monitoring of 4 guards with independent outputs, 1 bypass selector, 1 emergency stop, automatic or manual monitored start, general enabling signal.		4 PNP	4 PNP
CS MF202M0-P6	Monitoring of 2 guards and 1 bypass, 1 emergency stop, automatic or manual monitored start, general enabling signal. Three instantaneous outputs and one output timed with a 4-setting selector. Selectable On/Off delay.		4 PNP	4 PNP
CS MF202M0-P7	Monitoring of 4 guards in AND with switches provided with door lock, "D" principle, 1 emergency stop, monitored start. Two instantaneous outputs and two outputs timed by means of a 4-setting selector.		4 PNP	4 PNP
CS MF202M0-P8	Monitoring of 4 guards in AND with switches provided with door lock, "E" principle, 1 emergency stop, monitored start. Two instantaneous outputs and two outputs timed by means of a 4-setting selector.		4 PNP	4 PNP

Legend

	Monitoring of gate	START	Start function		Time selector
	Monitoring of gate with lock	MAN AUTO	Bypass selector	EN	Enabling input
	Emergency stop				

Items with code on the green background are available in stock