



New CS AM series safety modules

For speed and motor
standstill detection

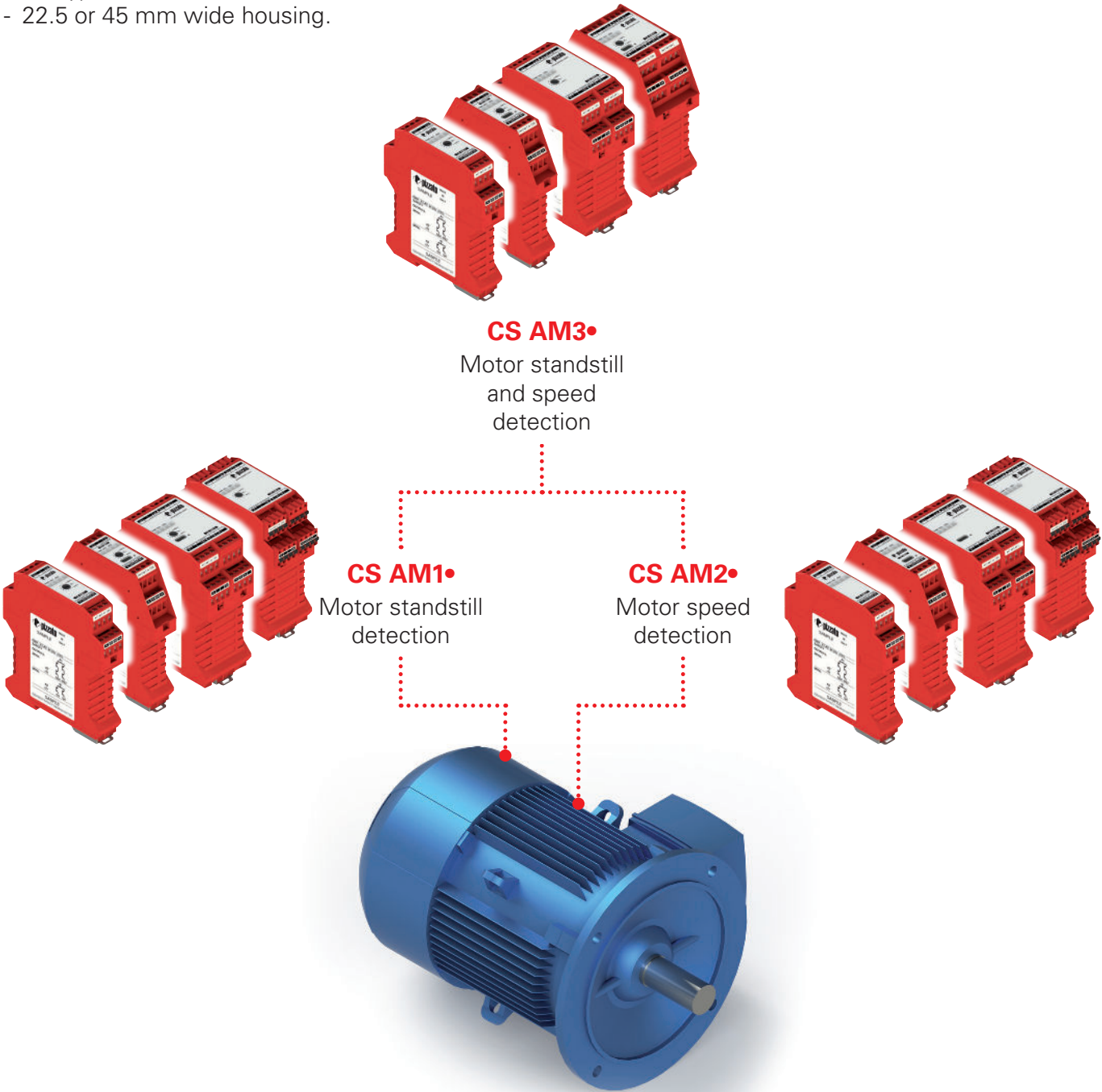


Passion for Quality

DESCRIPTION

New CS AM series safety modules

- Key features of the CS AM series safety modules:
- **Motor standstill and rotation speed detection in a single module (CS AM3•);**
 - **Measurement of the motor rotation speed. It is possible to detect any overload and rotor lock by adding a single inductive sensor (CS AM2• - CS AM3•);**
 - **Motor standstill detection (CS AM1• - CS AM3•);**
 - **Detection of the motor's rotation direction (CS AM2• - CS AM3•);**
 - **Programmable modules with USB-C port (CS AM••P);**
 - **Electronic safety outputs OSSD (CS AM•1) or relay (CS AM•2 and CS AM•3);**
 - **Choice among different sensitivity ranges of the motor standstill threshold (CS AM1• - CS AM3•);**
 - For safety applications up to "Maximum SIL 3"/PL e;
 - 10 levels of detection sensitivity of the residual voltage on the phases;
 - Galvanic separation between the control circuit and the measuring circuit;
 - Possibility of connecting single-phase and three-phase motors to the measuring circuits;
 - EC type examination certificate;
 - 22.5 or 45 mm wide housing.



CS AM Safety modules									
Product code	Supply voltage	Detection			Output contacts	Housing size	Type of connection		
		Motor standstill	Rotation speed	Direction of rotation			screw terminals	connector with screw terminals	connector with spring terminals
CS AM11••••	24 Vdc	■			2 OSSD	22,5 x 114 mm	■	■	■
CS AM12••••	24 Vdc	■			3 NO	45 x 114 mm	■	■	■
CS AM21••••	24 Vdc		■	■	2 OSSD	22,5 x 114 mm	■	■	■
CS AM22••••	24 Vdc		■	■	3 NO	45 x 114 mm	■	■	■
CS AM23••••	24 Vdc		■	■	3 NO + 3NO	45 x 114 mm	■	■	■
CS AM31••••	24 Vdc	■	■	■	2 OSSD	22,5 x 114 mm	■	■	■
CS AM33••••	24 Vdc	■	■	■	3 NO + 3NO	45 x 114 mm	■	■	■

All the safety modules of the CS AM••P series are programmable through the software **CS AM Configurator**, entirely designed by Pizzato Elettrica, available for free download.

The software is divided into three sections: Project, Setting and Monitor.

Project	Setting	Monitor
The section Project includes the project name, the author name, the creation date and possible notes. It is also possible to download previously saved configurations.→	The section Setting sets the parameters for motor standstill detection and minimum and maximum speed thresholds and enables the detection of the motor rotation direction.	The section Monitor shows and saves in real time the status of the module outputs, the residual voltage detected on the phases, the speed and direction of motor rotation.

In this section, it is possible to set the desired function for each input and output of the module.





**DOWNLOAD
BROCHURE**

Pizzato Elettrica s.r.l.

via Torino, 1 - 36063 Marostica (VI) Italy

Phone: +39 0424 470 930

E-mail: info@pizzato.com

Website: www.pizzato.com

Any information or application example, connection diagrams included, described in this document are to be intended as purely descriptive. The choice and application of the products in conformity with the standards, in order to avoid damage to persons or goods, is the user's responsibility. The drawings and data contained in this document are not binding and we reserve the right, in order to improve the quality of our products, to modify them at any time without prior notice. All rights to the contents of this publication are reserved in accordance with current legislation on the protection of intellectual property. The reproduction, publication, distribution and modification, total or partial, of all or part of the original material contained therein (including, but not limited to, texts, images, graphics), whether on paper or in electronic form, are expressly prohibited without written permission from Pizzato Elettrica Srl. All rights reserved. © 2023 Copyright Pizzato Elettrica.

ZE_BRC26A23-ENG

