CRASH PROTECTION SERIES CSR

PRODUCT ADVANTAGES



Adjustable triggering sensitivity

By controlling the air pressure, you can optimally match the sensitivity to your application

Integrated sensors

If there is a collision, the integrated sensor gives a signal to the control system to trigger an emergency stop.

More safety due to manual return

We forgo an automatic return and ensure that the operator inspects the machine and the reason for the emergency stop

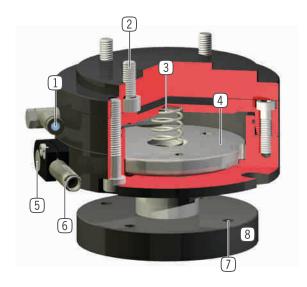
► THE BEST PRODUCT FOR YOUR APPLICATION



Our products welcome the challenge!

Extreme conditions, all over the world-our tried and tested components and systems give you endless possibilities. Find the best product for your specific use: www.zimmer-group.com

BENEFITS IN DETAIL



1 Energy supply

(2) Robot connecting flange

- partial mounting circle in accordance with EN ISO 9409-1

- single-acting pneumatic cylinder
- response sensitivity adjustable via operating pressure
- with integrated spring

4 Force transfer

- direct and low-loss at piston surface

(5) Pressure differential switch

- indirect overload recognition

6 Sensors

- inductive proximity switch generates a signal which can be used to recognise an overload situation
- generates an automatic emergency off system situation
- included in the delivery inductive proximity switch Ø 8 mm with cable connection M8x1

(7) Connecting flange

8 Overload recognition and compensation

- in Z-direction up to 28 mm stroke
- angular defection up to 12.5°
- on rotation around the Z-axis 360°

► FURTHER INFORMATION IS AVAILABLE ONLINE



Technical Information

All information just a click away at: www.zimmer-group.com Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.



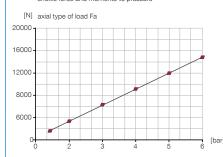
CRASH PROTECTION INSTALLATION SIZE CSR160

PRODUCT SPECIFICATIONS



Air pressurization

shows force and moments vs pressure

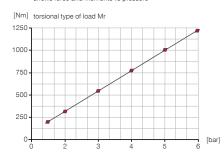


Forces and moments

See diagram for max. forces and torques

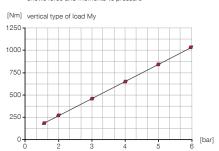
Air pressurization

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Air pressurization

shows force and moments vs pressure



► INCLUDED IN DELIVERY



Inductive proximity switch

NJ8-E2S-05



Cylinder Screw

C0912100309

► RECOMMENDED ACCESSORIES



Straight Fittings - Quick

GV1-8X8



Plug-in connector Angled Cable 5m - Socket M8 KAW500



Plug-in connector Straight Cable 5m - Socket M8

KAG500

	► Technical Data*
Order no.	CSR160
Connecting flange according EN ISO 9409-1	TK 160
Installation Height [mm]	161
Recommended handling weight [kg]**	150
Z-axis deviation [mm]	28
Repetition accuracy Axial +/- [mm]	0.05
Horizontal deviation +/- [°]	9
Repetition accuracy Radial +/- [mm]	0.05
Operating pressure min. [bar]	1
Operating pressure max. [bar]	6
Operating temperature min. [°C]	5
Operating temperature max. [°C]	+80
Weight [kg]	15.2

- *All data measured at 6 bar
- * *with central attachment

