

CEM-I2-AR-U-C40-SH-124937 (Order no. 124937)

Transponder-coded safety switch CEM-AR-C40

- ▶ Safety switches with guard locking for process protection and integrated evaluation electronics
- ▶ Solenoid with locking force 600 N
- ▶ Adhesive-force adjustment in 3 levels
- ▶ Up to 20 switches in series
- ▶ Short circuit monitoring
- ▶ 2 safety outputs (semiconductor outputs)
- ▶ Up to category 4 / PL e according to EN ISO 13849-1 for door position monitoring
- ▶ With plug connector M23
- ▶ Unicode
- ▶ Door monitoring output



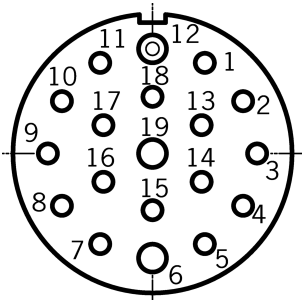
Unicode evaluation

Each actuator is highly coded (unicode). The switch detects only taught-in actuators. Additional actuators can be taught-in. Only the last actuator taught-in is detected.

Guard locking type

CEM-I2 Guard locking actuated by energy ON and released by energy OFF.

Connector assignment

Plug connector (view of connection side)	Pin	Designation	Function	Connecting cable conductor coloring
	1	IMP	Control voltage, guard locking solenoid, 24 V DC	VT
	2	FI1A	Enable input for channel 1	RD
	3	FI1B	Enable input for channel 2	GY
	4	FO1A	Safety output, channel 1	RD/BU
	5	FO1B	Safety output, channel 2	GN
	6	UB	Operating voltage 24 V DC	BU
	7	RST	Reset input	GY/PK
	8	OT	Door monitoring output	GN/WH
	9	OI	Diagnostic output	YE/WH
	10	OL	Guard lock monitoring output	GY/WH
	11	–	n.c.	BK
	12	FE	Functional earth (must be connected to meet the EMC requirements)	GN/YE
	13	–	n.c.	PK
	14	–	n.c.	BN/GY
	15	–	n.c.	BN/YE
	16	–	n.c.	BN/GN
	17	–	n.c.	WH
	18	–	n.c.	YE
	19	0 V UB	Operating voltage, 0 V	BN