

CAUTION: COLOUR CODE IS ONLY APPLICABLE WHEN BLACK DORMA CABLE IS USED!



Only operate the device with Safety Extra-Low Voltage (SELV).



Work on electrical equipment may only be performed by properly qualified staff (electricians).

Lead colour coding

white (-) Power supply
brown (+) 11.5-32 V DC ($\pm 0\%$)
green (-) Microwave module output
yellow (+) (Activation area)

grey (-) Test

pink (+)
blue (-) Active infrared module output
red (+) (Safety area)
black (-) Escape route doors
violet (+)

Terminal assignment

	Power supply		Opening pulse		Test		Safety (closing edge)	
Lead colour coding	white	brown	green	yellow	grey	pink	blue	red
ES 200	29	25	16	15	28	27	29	26
ES 200-2D (GM**)	29	25	16	15	28	27	29	26
ES 200 Easy	7	1	20	24	3	8	2	6
ES 200 FM* DIN 18650	10	6	-	-	10	9	10	7
ES 400 DIN 18650	4	5	4	3	4	6	7	5
ES 90/100 (GM'')	19	18	17	16	-	-	-	-
ES 90/100 (EM4/EM5''')	-	-	-	-	41	42	47	48
ES 75	7	1	20	24	3	8	2	6
ES 1000	7	1	20	24	3	8	2	6
CS 80 MAGNEO	3	1	3	41	3	13	3	11
EL / AL Antrieb	Sensor P/S 2		Impulse Input 2		Monitoring O/P 2		Safety Input 2	

Terminal assignment for application as internal detector at secondary closing edge (NSK)

CS 80 MAGNEO	3	1	-	-	3	13	3	15
ES 200 FM* DIN 18650 Secondary closing edge 1	20	16	-	-	20	19	20	17
ES 200 FM* DIN 18650 Secondary closing edge 2	15	11	-	-	15	14	15	12
ES 400 DIN 18650	13	14	-	-	13	15	16	14

Terminal assignment for application as external detector at main closing edge (HSK)

ES 200	24	20	19	18	23	22	24	21
ES 200-2D (GM**)	24	20	16	15	23	22	24	21
ES 200-2D (FST/FIA****)	24	20	4*****	5*****	23	22	24	21
ES 200 Easy	7	1	21	22	5	8	2	4
ES 400 DIN 18650	4	5	4	3	4	8	9	5
ES 90/100 (GM'')	19	18	-	-	-	-	-	-
ES 90/100 (EM4''')	-	-	1	2	43	44	49	50
ES 90/100 (EM5''')	-	-	1*****	2*****	43	44	49	50
ES 75	7	1	21	22	5	8	2	4
ES 1000	7	1	21	22	5	8	2	4
CS 80 MAGNEO	Daisy chain (see wiring diagram) if mounting on both sides (only 1 entrance available)							
EL / AL Antrieb	Sensor P/S 1		Impulse Input 1		Monitoring O/P 1		Safety Input 1	

*FM = Function module **GM = Basic module ***EM = Expansion module **** FST or FIA = Escape route module

*****Connect wires for escape route doors (black and violet) and configure radar output as current source output.

When wiring the sensor to a ES 200 DIN 18650 FM the following configurations must be done:

-Settings of basic module in the submenu "special functions":

-->Sensor test: [setting according to application: HSK, NSK or NKS+HSK]

-->Sensor test level: active low

-IXIO sensor:

--> AIR-output: NO