

Ex d IIB+H₂ Enclosure Series EJB



- + Flameproof aluminium or stainless steel enclosure system suitable for assembly of terminals, switches and components
- + Window optional
- + External flameproof joint
- + For gas group IIB + H₂

Included in delivery

Enclosure system consisting of base and screwed lid, external earth connection, hinge and external brackets

Technical data

Explosion protection	II 2 G Ex db IIB + H ₂ T6/T5 Gb II 2 D Ex tb IIIC T80 °C... T95 °C Db
Material	Copper free aluminium Stainless steel 1.4404/316L
Colour	Aluminium: RAL 7035, light grey Stainless steel: unpainted, painting on request
Ingress protection	IP66 to EN 60529
Impact resistance	7 Joule to EN 60079-0
Temperature range	-20 °C to +75 °C
Certificates	ITS 15 ATEX 18302X IECEX ITS 15.0041X



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Product overview

Order No.	Type	External dimensions H x W x D (mm)	Internal dimensions H x W x D (mm)	Max. rated current (A)	Max. conductor size (mm ²)	Weight (g)
Aluminium						
40.10 30 10	EJB 01 AL	220 x 170 x 152	150 x 100 x 119	76	16	4300
40.10 30 20	EJB 02 AL	270 x 220 x 158	200 x 150 x 125	125	35	6600
40.10 30 30	EJB 03 AL	320 x 270 x 166	250 x 200 x 129	232	95	10100
40.10 30 60	EJB 06 AL	490 x 440 x 250	400 x 350 x 195	415	240	30200
40.10 30 90	EJB 09 AL	780 x 580 x 440	650 x 450 x 361	935	630	115000
40.10 31 00	EJB 10 AL	980 x 680 x 487	850 x 550 x 387	1055	1000	202000
Stainless Steel						
40.20 30 10	EJB 01 SS	220 x 170 x 152	150 x 100 x 119	76	16	12600
40.20 30 20	EJB 02 SS	270 x 220 x 158	200 x 150 x 125	125	35	19600
40.20 30 30	EJB 03 SS	320 x 270 x 166	250 x 200 x 129	232	95	30300

Accessories

Order No.	Mounting plate	Dimensions H x W x D (mm)
40.10 30 10	40.30 30 10	142 x 92 x 1.5
40.10 30 20	40.30 30 20	192 x 142 x 1.5
40.10 30 30	40.30 30 30	242 x 192 x 1.5
40.10 30 60	40.30 30 60	375 x 325 x 1.5
40.10 30 90	40.30 30 90	590 x 390 x 1.5
40.10 31 00	40.30 31 00	780 x 480 x 1.5
40.20 30 10	40.30 30 10	142 x 92 x 1.5
40.20 30 20	40.30 30 20	192 x 142 x 1.5
40.20 30 30	40.30 30 30	242 x 192 x 1.5

Terminal mounting

DIN rail	Phoenix Contact													
	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35	TS 35
Rated nominal cross section (mm ²)	2,5	4	6	10	16	25	35	50	70	95	120	150	185	240
Rated voltage (V)	690	690	690	690	690	690	690	690	880	880	1100	1100	1100	1100
Terminal width (mm)	5.2	6.2	8.2	10.2	12.2	16.2	16.2	20	25	25	31	31	36	36
Terminal type														
Enclosure type	UT 2,5	UT 4	UT 6	UT 10	UT 16	UT 35	UT 35	UKH 50	UKH 95	UKH 95	UKH 150	UKH 150	UKH 240	UKH 240
40.10 30 10	20	16	8	6	4									
40.10 30 20	30	24	12	10	8	6	6							
40.10 30 30	40	32	16	12	10	8	8	6	4	4				
40.10 30 60	100	82	64	50	42	32	32	15	12	12	9	9	8	8
40.10 30 90	240	204	160	124	104	76	76	30	24	24	20	20	16	16
40.10 30 00	390	325	250	200	165	125	125	60	48	48	24	24	22	22
40.20 30 10	20	16	8	6	4									
40.20 30 20	30	24	12	10	8	6	6							
40.20 30 30	40	32	16	12	10	8	8	6	4	4				

Other suppliers on request



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Technical details

Power dissipation in Watt

Type	Temperature class	T6			T5					T4		
		T80 °C			T95 °C					T130 °C		
	Maximum surface temperature											
	Maximum ambient temperature	+40 °C	+50 °C	+60 °C	+40 °C	+50 °C	+55 °C	+60 °C	+75 °C	+40 °C	+50 °C	+60 °C
EJB 01 AL	Maximum allowed power loss	60 W		36 W			60 W		36 W			
EJB 02 AL		76 W		42 W			76 W		42 W			
EJB 03 AL		87 W		60 W			87 W		60 W			
EJB 06 AL		209 W	166 W	114 W	338 W	260 W		206 W		584 W	514 W	436 W
EJB 09 AL		467 W	319 W	236 W	728 W	555 W		353 W		1238 W	1145 W	956 W
EJB 10 AL		726 W	568 W	400 W	1085 W	864 W		712 W		2038 W	1709 W	1454 W
EJB 01 SS		60 W		36 W			60 W		36 W			
EJB 02 SS		76 W		42 W			76 W		42 W			
EJB 03 SS		87 W		60 W			87 W		60 W			

Assembly possibilities on lid

Type	Control equipment	Window (mm)								
		44 x 44	68 x 68	92 x 92	140 x 140	186 x 186	234 x 234	280 x 280	328 x 376	376 x 376
EJB 01 AL	4	1								
EJB 02 AL	9	4	1	1						
EJB 03 AL	16	9	4	1	1					
EJB 06 AL	49	25	9	4	1	1	1			
EJB 09 AL	88	56	20	12	4	2	1	1	1	
EJB 10 AL	150	90	36	20	9	4	2	1	1	1
EJB 01 SS	4	1								
EJB 02 SS	9	4	1	1						
EJB 03 SS	16	9	4	1	1					

Maximum number of cable glands

M	NPT	Side	Type								
			EJB 01 AL	EJB 02 AL	EJB 03 AL	EJB 06 AL	EJB 09 AL	EJB 10 AL	EJB 01 SS	EJB 02 SS	EJB 03 SS
20	1/2"	A/B	4	6	8	21	54	66	4	6	8
20	1/2"	C/D	6	8	10	24	84	108	6	8	10
25	3/4"	A/B	2	4	6	17	33	54	2	4	6
25	3/4"	C/D	4	5	8	20	54	90	4	5	8
32	1"	A/B	1	3	4	11	28	36	1	3	4
32	1"	C/D	2	4	5	12	43	60	2	4	5
40	1 1/4"	A/B		2	3	8	18	28		2	3
40	1 1/4"	C/D		3	3	10	28	44		3	3
50	1 1/2"	A/B			2	4	12	18			2
50	1 1/2"	C/D			3	5	21	28			3
63	2"	A/B				3	11	15			
63	2"	C/D				4	17	24			
75	2 1/2"	A/B				3	6	9			
75	2 1/2"	C/D				3	9	15			
90	3"	A/B					5	7			
90	3"	C/D					8	12			
100	4"	A/B					5	6			
100	4"	C/D					7	10			

