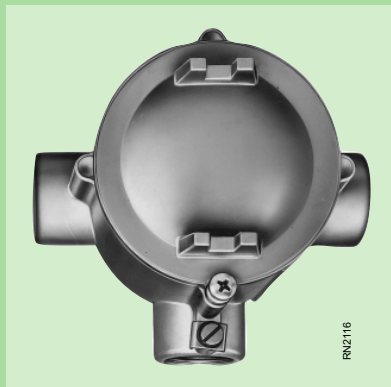


Junction Boxes



Junction boxes of series GUA. are installed in conduit runs as conductor and branch boxes. That is, the conductors in conduits can be collected or branched in other directions without breaking or joining the conductors.

In contrast to series GUA, junction boxes of series GUF, are designed for wall mounting.

Technical data

Explosion protection	EEx d IIC T6
Test certificate	INIEX 87.103.587
Material	Aluminium alloy (copper free)
Degree of protection	IP 54 IP 65 with O-ring (to order)

Selection table

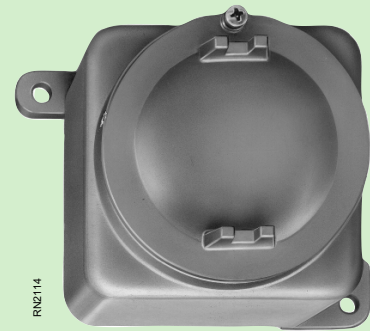
Series	Design	Type	Nominal diameter	Dimensions [mm]			Ordering code	Weight [kg]
				B	C	E		
Junction boxes without fixing lugs								
GUAB		GUAB 26	3/4" NPT	108	98	88	461 005 0	0,44
		GUAB 36	1" NPT	113	110	88	461 006 0	0,46
		GUAB 59	1 1/2" NPT	177	135	147	461 007 0	1,33
		GUAB 69	2" NPT	177	142	147	461 008 0	1,44
GUAC		GUAC 26	3/4" NPT	128	74	88	461 009 0	0,47
		GUAC 36	1" NPT	138	80	88	461 010 0	0,48
		GUAC 59	1 1/2" NPT	207	105	147	461 011 0	1,33
		GUAC 69	2" NPT	207	112	147	461 012 0	1,43
GUAL		GUAL 26	3/4" NPT	108	74	88	461 017 0	0,46
		GUAL 36	1" NPT	113	80	88	461 018 0	0,48
		GUAL 59	1 1/2" NPT	177	105	147	461 019 0	1,36
		GUAL 69	2" NPT	177	112	147	461 020 0	1,48
GUAD		GUAD 26	3/4" NPT	128	98	88	461 013 0	0,46
		GUAD 36	1" NPT	138	110	88	461 014 0	0,47
		GUAD 59	1 1/2" NPT	207	135	147	461 015 0	1,30
		GUAD 69	2" NPT	207	142	147	461 016 0	1,39
GUAM		GUAM 26	3/4" NPT	108	98	88	461 021 0	0,45
		GUAM 36	1" NPT	113	110	88	461 022 0	0,46
		GUAM 59	1 1/2" NPT	177	135	147	461 023 0	1,34
		GUAM 69	2" NPT	177	142	147	461 024 0	1,44
GUAT		GUAT 26	3/4" NPT	128	74	88	461 025 0	0,48
		GUAT 36	1" NPT	138	80	88	461 026 0	0,52
		GUAT 59	1 1/2" NPT	207	105	147	461 028 0	1,45
		GUAT 69	2" NPT	207	112	147	461 029 0	1,50
GUAW		GUAW 26	3/4" NPT	128	98	88	461 030 0	0,47
		GUAW 36	1" NPT	138	110	88	461 031 0	0,51
		GUAW 59	1 1/2" NPT	207	135	147	461 032 0	1,42
		GUAW 69	2" NPT	207	142	147	461 033 0	1,46
GUAX		GUAX 26	3/4" NPT	128	74	88	461 034 0	0,50
		GUAX 36	1" NPT	138	80	88	461 035 0	0,54
		GUAX 59	1 1/2" NPT	207	105	147	461 036 0	1,47
		GUAX 69	2" NPT	207	112	147	461 037 0	1,54
Junction boxes with fixing flange								
GUFX		GUFX 26	3/4" NPT	138	80	88	461 053 0	0,76
		GUFX 36	1" NPT	138	80	88	461 054 0	0,67

Junction boxes of series GUB are suitable for the installation of terminals, switches with drive shafts on the side and other electrical apparatus such as fuses, contactors, transformers, ballasts etc. On request GUB boxes can be provided with an internal mounting plate and a O-ring gasket to increase the degree of protection. The enclosures are produced undrilled. Threaded entries can be provided upon request.

Technical data

Explosion protection	EEx d IIC T6
Test certificate	INIEX 82.103.174
Material	Aluminium (copper free)
Rated voltage	660 V, AC
Rated current	max. 400 A
Degree of protection	IP 54 IP 65 with O-ring (to order)

Equipment enclosures, GUB



Selection table

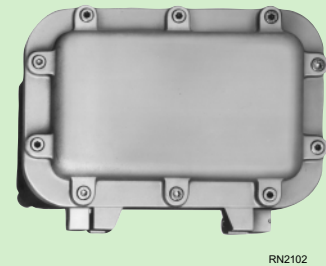
Series	Type	Dimensions [mm]					Ordering code	Weight [kg]
		A	B	H	a	h		
<p>GUB</p>	GUB	120	175	118	96	56	461 039 0	1,6
	GUB 0	150	204	129	131	66	461 045 0	2,6
	GUB 01	174	231	139	151	76	461 047 0	3,6
	GUB 02	233	309	165	202	90	461 049 0	6,3
	GUB 03	276	360	218	252	130	461 051 0	11,0

Junction boxes of series EJB are suitable for the installation of terminals and standard electrical equipment such as switches, fuses, contactors etc. The enclosures are fitted with flat gap covers. If components e.g. push buttons are mounted in the cover, reinforced covers have to be used. On request the enclosures are available with an internal mounting plate and the reinforced covers with hinges.

Technical data

Explosion protection	EEx d IIB T5
Test certificate	INIEX 82.103.183
Material	Aluminium alloy (copper free)
Rated voltage	max. 660 V, AC
Rated current	max. 630 A
Degree of protection	IP 54 / IP 65 (IP 65 with O-ring)

Equipment enclosures, EJB

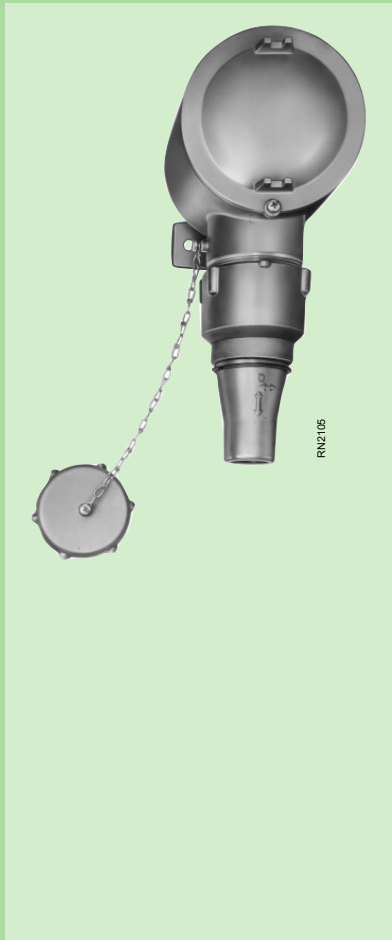


Selection table

Series	Type		Dimensions [mm]						Ordering code		Weight [kg]		
	①	②	A	B	H	a	b	h	①	②	①	②	
<p>EJB Enclosure</p>	EJB 1	EJB 1-A	298	198	212	240	140	140	460 802 0	460 803 0	7,3	8,7	
	EJB 2	EJB 2-A	418	218	212	360	160	140	460 804 0	460 805 0	13,0	15,1	
	EJB 3	EJB 3-A	358	278	272	300	220	200	460 806 0	460 807 0	16,0	18,2	
	EJB 4 B	EJB 4 B-A	432	332	223	360	260	180	460 810 0	460 811 0	20,0	23,5	
	EJB 4	EJB 4-A	432	332	293	360	260	220	460 808 0	460 809 0	22,5	26,0	
	EJB 5 B	EJB 5 B-A	632	432	265	560	360	180	460 814 0	460 815 0	45,0	50,0	
	EJB 5	EJB 5-A	632	432	335	560	360	250	460 812 0	460 813 0	51,0	56,0	
		EJB 503		632	432	391	560	360	332	—	460 816 0	—	62,0

- ① with thin cover
- ② with thick cover (for mounting control equipment)





Receptacles comprise socket outlets series **FSQC** and the **associated plugs series FP**, 3- and 4-pole. Contact is made according to the insert-turn principle. An integrated switch or alternatively an automatic circuit breaker ensures switching off with the respective current.

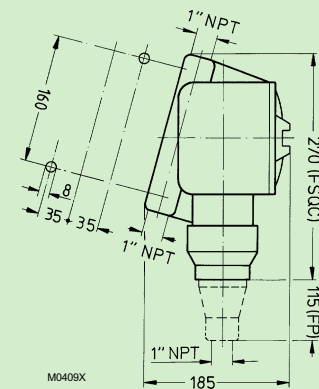
Selection table

Type		Number of pins/ Rated current	Ordering code		Weight [kg] FSQC/FP
Socket	Plug		Socket	Plug	
Receptacles 25 A with interlock switch					
FSQC 33	FP 33	2 P + \perp 25 A	60 977 0	460 971 0	2,85/0,73
FSQC 34	FP 34	3 P + \perp 25 A	60 984 0	460 972 0	2,91/0,73
Receptacles 8 – 60 A with automatic circuit breaker interlock					
FSQC 338	FP 33	2 P + \perp 8 A	60 983 0	460 971 0	3,0/0,73
FSQC 3310	FP 33		60 978 0	460 971 0	3,0/0,73
FSQC 3315	FP 33		60 979 0	460 971 0	3,0/0,73
FSQC 3320	FP 33		60 980 0	460 971 0	3,0/0,73
FSQC 3330	FP 33		60 981 0	460 971 0	3,0/0,73
FSQC 3340	FP 33		60 982 0	460 971 0	3,0/0,73
FSQC 348	FP 34	3 P + \perp 8 A	60 990 0	460 972 0	3,0/0,80
FSQC 3410	FP 34		60 985 0	460 972 0	3,0/0,80
FSQC 3415	FP 34		60 986 0	460 972 0	3,0/0,80
FSQC 3420	FP 34		60 987 0	460 972 0	3,0/0,80
FSQC 3430	FP 34		60 988 0	460 972 0	3,0/0,80
FSQC 3440	FP 34		60 989 0	460 972 0	3,0/0,80
FSQC 5450	FP 34		60 975 0	460 972 0	3,0/0,80
FSQC 5460	FP 34		60 976 0	460 972 0	3,0/0,80

STAHL

Technical data

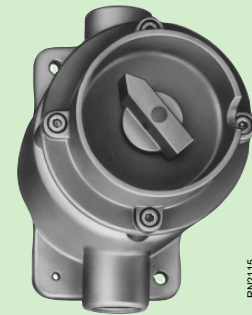
Explosion protection	EEx d IIC T6
Test certificate	CESI AD-83.253
Enclosure material	Aluminium (copper free)
Rated voltage	FSQC 33/34: 500 V, AC FSQC 33../34...: 380 V, AC
Rated current	FSQC 33/34: up to 25 A FSQC 33../34...: up to 60 A
Number of pins	2 P + \perp ; 3 P + \perp
Interlocked switch	FSQC 33/34: with 2- or 3-pole switch FSQC 33../34...: with automatic circuit breaker 53../54...: with automatic circuit breaker
Degree of protection	IP 54
Entries	FSQC 3: 2 x 1" NPT FSQC 5: 2 x 1 1/2" NPT



The **rotary switches series EFSCO** are available in 16 and 25 Ampere sizes with various contact arrangements and number of contacts.

Technical data

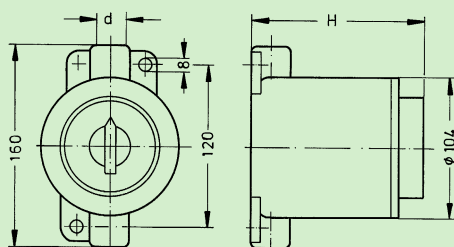
Explosion protection	EEx d IIC T6	
Test certificate	INIEX 86.103.548	
Material	Aluminium (copper free)	
Rated voltage	380 V, AC	
Rated current	EFSCO 1.: 16 A	EFSCO 2.: 25 A
Degree of protection	IP 54	
Entries	EFSCO 1. (16 A): 2 x 3/4" NPT EFSCO 2. (25 A): 2 x 1" NPT	



Selection table

Series	Poles	Contact arrangement	Switch 16 A		Switch 25 A		Weight [kg]
			Type	Ordering code	Type	Ordering code	
0 – I Switch	2		EFSCO 12	460 783 0	EFSCO 22	460 790 0	1,2/1,2
	3		EFSCO 13	460 784 0	EFSCO 23	460 791 0	1,2/1,2
	4		EFSCO 14	460 785 0	EFSCO 24	460 792 0	1,2/1,24
I – II Changeover switch	1		EFSCO 16	460 788 0	EFSCO 26	460 795 0	1,2/1,2
	2		EFSCO 166	460 789 0	EFSCO 266	460 796 0	1,2/1,2
I – 0 – II Changeover switch	1		EFSCO 142	460 786 0	EFSCO 242	460 793 0	1,2/1,24
	2		EFSCO 144	460 787 0	EFSCO 244	460 794 0	1,2/1,24

Dimension drawing (all dimensions in mm)



	d	H
EFSCO 12	GK 3/4"	3/4" NPT
EFSCO 22	GK 1"	1" NPT
EFSCO 13	GK 3/4"	3/4" NPT
EFSCO 23	GK 1"	1" NPT
EFSCO 14	GK 3/4"	3/4" NPT
EFSCO 24	GK 1"	1" NPT
EFSCO 16	GK 3/4"	3/4" NPT
EFSCO 26	GK 1"	1" NPT
EFSCO 166	GK 3/4"	3/4" NPT
EFSCO 266	GK 1"	1" NPT
EFSCO 142	GK 3/4"	3/4" NPT
EFSCO 242	GK 1"	1" NPT
EFSCO 144	GK 3/4"	3/4" NPT
EFSCO 244	GK 1"	1" NPT



Control switches EFD are mounted into a flat gap enclosure. The actuator is lockable in 0-position.

Technical data

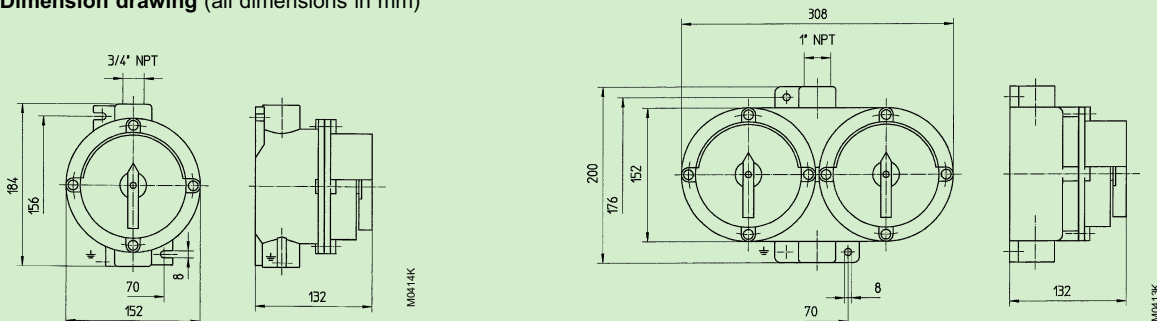
Explosion protection	EEx d IIC T6
Test certificate	INIEX 88.B.103.697
Material	Aluminium (copper free)
Rated voltage	500 V, AC
Rated current	10 A, AC
Entries	single gang: 2 x 3/4" double gang unit: 2 x 1"
Degree of protection	IP 54 IP 65 with O-ring

Selection table

Type	Contact arrangement / Description	Ordering code	Weight [kg]
EFD 2-Z		Changeover without 0-position 460 782 0	2,0
EFD 2-F		Changeover with 0-position 460 777 0	2,0
EFD 2-R		Start-Stop with partial spring return 460 779 0	2,0
EFD 2-X		Start-Stop with partial spring return 460 780 0	2,0
EFD 2-Y		I - 0 - II with 2 x 0-position and partial spring return 460 781 0	2,0
Attention: This control switch can also be supplied in the 2-gang enclosure – text order: 2-gang enclosure type 1/type 2			3,8

Add. to ordering code: with O-ring state with order

Dimension drawing (all dimensions in mm)



Control switch, EFD, in one gang enclosure

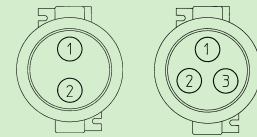
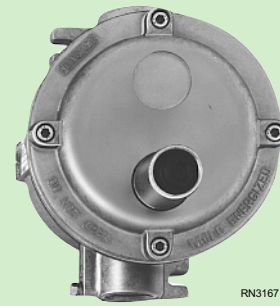
Control switch, EFD, in two gang enclosure



The **control and indicating equipment series EFDC** are available with 1 to 3 functions in the single enclosure and up to 6 functions in the double enclosure.

Technical data

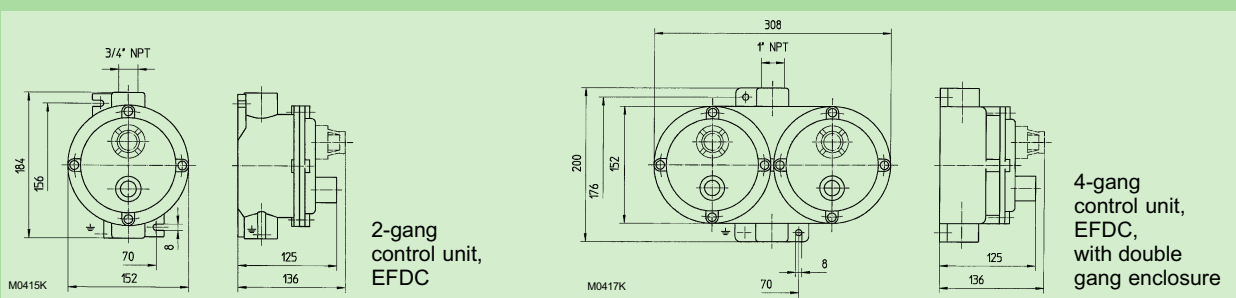
Explosion protection	EEx d IIC T6 with push button EEx d IIC T6 with indicating lamps
Test certificate	INIEX 88.B.103.697
Material	Aluminium (copper free)
Push button Rated voltage Rated current	380 V 10 A
Pilot light Rated voltage Lampholder Power Colours	220 V E 14 3 W red, green, yellow, white
Entries	Single gang units: 2 x 3/4" NPT Double gang units: 2 x 1" NPT
Degree of protection	IP 54



Control unit mounting position
Position, stated from top to bottom
(Pos. 1 ... Pos. 3)

Selection table

Series	Type	Description / Symbol disc	Position			Ordering code	Weight [kg]
			Pos. 1	Pos. 2	Pos. 3		
EFDC 1-gang	EFDC 21	Push button				460 769 0	1,5
	EFDC 25	Pilot light				460 773 0	1,5
EFDC 2-gang	EFDC 22	Double push button				460 770 0	1,55
	EFDC 24	2 pilot lights				460 772 0	1,6
	EFDC 23	Push button with pilot light				460 771 0	1,6
EFDC 3-gang	EFDC 27	3-gang push button				460 774 0	4,0
	EFDC 20	3 pilot lights				460 768 0	4,0
	EFDC 28	2-gang push button with pilot light				460 775 0	4,0
	EFDC 29	Push button with 2 pilot lights				460 776 0	4,0





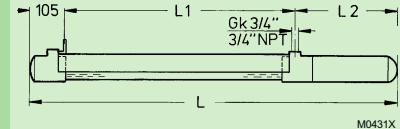
The **light fittings of series EVF** are suitable for standard 2-pin fluorescent tubes. They can be supplied for 20 W and 40 W with one, two or three tubes and have "rapid start" ballast units. Compensated versions are available alternatively.

Technical data

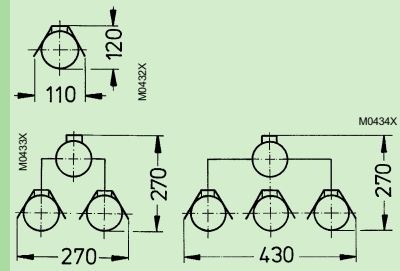
Explosion protection	EEx d IIC T6 (20/40 W)		
Test certificate	INIEX 83.103.282		
Material	cast alloy		
Enclosure	cast alloy		
Glass	boro-silicate, temperature resistant		
Reflector	sheet steel, plastified		
Lamps	fluorescent rapid-start bi-pin tubes		
Execution	20, 40 W; each in 1, 2 or 3 lamp execution		
Rated voltage	220 V, 50 Hz		
Rated current	I_e [A]	1 x 20 W	1 x 40 W
	inductive compensated	0,38 A 0,17 A	0,5 A 0,22 A
Power factor $\cos \varphi$	inductive:	0,4	
	compensated	0,95	
Efficiency of fitting	approx. 65%		
Degree of protection	IP 55		
Ambient temperature	- 20 °C ... + 40 °C		
Connections	Terminals 2,5 mm ²		
Entries	2 x 3/4" NPT		

Selection table

Type	Description	Ordering code	Weight [kg]
EVF 120		1 x 20 W inductive compensated	4,5
		460 865 0	4,5
EVF 220		2 x 20 W inductive compensated	9,4
		460 872 0	9,4
EVF 320		3 x 20 W inductive compensated	19,0
		460 878 0	19,0
EVF 140		1 x 40 W inductive compensated	6,4
		460 867 0	6,4
EVF 240		2 x 40 W inductive compensated	10,6
		460 874 0	10,6
EVF 340		3 x 40 W inductive compensated	20,7
		460 881 0	20,7



Type	Dimensions [mm]		
	L	L ₁	L ₂
EVF .20	1930	1580	245
EVF .40	1540	1190	245



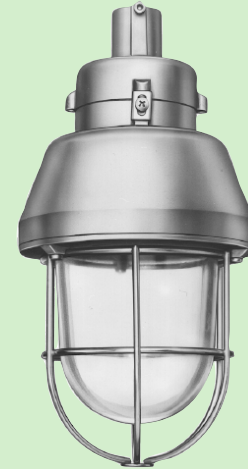
Equipment for Conduit Installations

Pendant Light Fittings for Incandescent and Blended Lamps up to 500 W, EV.

Pendant light fittings of series EV. are suitable for incandescent and blended lamps up to 500 W. With ballast units, which are separately mounted in GUB or EJB enclosures, they can also be used for high pressure mercury vapour lamps. For this application however the EV. light fittings with an integrated ballast unit are recommended.

Technical data

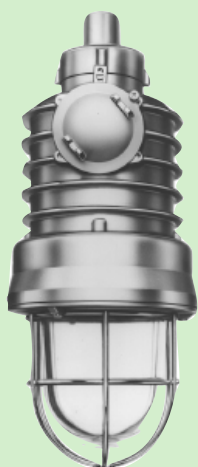
Explosion protection	EEx d IIC T4 up to 300 W EEx d IIC T3 at 500 W			
Test certificate	INIEX 83.103.222			
Material Enclosure Wire guard Glass	cast light alloy steel wire, galvanized pressed glass, temperature resistant			
Lamps	Lamp holder	Incandescent lamp	Blended lamp	Mercury lamp
	E 27	100 W 200 W	160 W –	80 W 125 W
	E 40	300 W 500 W	250 W 500 W	250 W 400 W
Rated voltage	max. 250 V, 48 Hz ... 62 Hz			
Rated current	by blended lamps 160 W 250 W 500 W			
	0,75 A	1,2 A	2,4 A	
Luminous flux	3000 lm 5600 lm 14000 lm			
Power factor	cos φ ~ 94%			
Degree of protection	IP 54			
Ambient temperature	– 20 °C ... + 40 °C			
Connections	Terminals 2,5 mm ²			
Entries	EVA: 1 x 3/4" NPT EVX/EVI: 4 x 3/4" NPT			



RN2119

Selection table

Type	Description Illustration	Dimensions [mm]				Lamp-holder	Incand. lamp	Blended lamp	Ordering code	Weight [kg]
		d	H	D	L					
EVA 2015		3/4" NPT	260	150	–	E 27	100 W	–	460 850 0	2,1
EVA 2025		3/4" NPT	323	170	–	E 27	200 W	–	460 851 0	2,8
EVA 2035		3/4" NPT	357	200	–	E 27	–	160 W	460 852 0	3,8
EVA 2045		3/4" NPT	420	220	–	E 40	300 W	250 W	460 853 0	6,7
EVA 2055		3/4" NPT	460	270	–	E 40	500 W	500 W	460 854 0	9,1
EVX 2015		3/4" NPT	250	150	–	E 27	100 W	–	460 894 0	2,6
EVX 2025		3/4" NPT	313	170	–	E 27	200 W	–	460 895 0	3,3
EVX 2035		3/4" NPT	347	200	–	E 27	–	160 W	460 896 0	4,3
EVX 2045		3/4" NPT	430	220	–	E 40	300 W	250 W	460 897 0	7,2
EVX 2055		3/4" NPT	470	270	–	E 40	500 W	500 W	460 898 0	9,6
EVH 2015		3/4" NPT	283	150	–	E 27	100 W	–	460 884 0	2,3
EVH 2025		3/4" NPT	346	170	–	E 27	200 W	–	460 885 0	3,1
EVH 2035		3/4" NPT	380	200	–	E 27	–	160 W	460 886 0	4,0
EVH 2045		3/4" NPT	463	220	–	E 40	300 W	250 W	460 887 0	7,0
EVH 2055		3/4" NPT	503	270	–	E 40	500 W	500 W	460 888 0	9,3
EVI 2015		3/4" NPT	290	150	310	E 27	100 W	–	460 889 0	3,3
EVI 2025		3/4" NPT	355	170	355	E 27	200 W	–	460 890 0	4,1
EVI 2035		3/4" NPT	370	200	370	E 27	–	160 W	460 891 0	5,0
EVI 2045		3/4" NPT	440	220	410	E 40	300 W	250 W	460 892 0	8,0
EVI 2055		3/4" NPT	470	270	440	E 40	500 W	500 W	460 893 0	10,3



RNC254

The **light fittings of series EW**, have integrated ballast units and can be used for high pressure mercury vapour lamps up to 400 W. The light fittings can be supplied as uncompensated and compensated versions.

Technical data

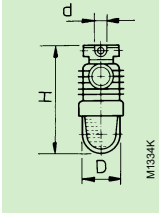
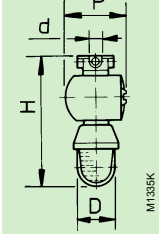
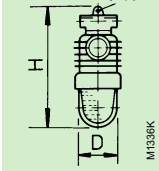
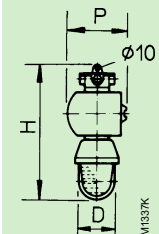
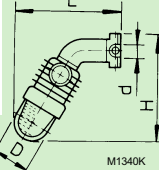
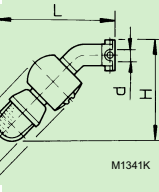
Explosion protection	EEx d IIC T4 (80/125 W) EEx d IIC T3 (250/400 W)				
Test certificate	INIEX 83.103.222				
Material	Enclosure: cast light alloy (copper free) Wire guard: steel wire, galvanized Glass: pressed glass, temperature resistant Reflector: steel, plastified				
Lamps	Lamp holder	Mercury lamp			
	E 27 E 40	80, 125 W 250, 400 W			
Rated voltage	250 V, 50 Hz				
Rated current	by Mercury lamps				
	80 W	125 W	250 W	400 W	
	0,8 A	1,15 A	2,15 A	3,25 A	
Luminous flux	3800 lm	6300 lm	13.500 lm	23.000 lm	
Power factor cos φ	uncompensated compensated	0,5 0,95	0,54 0,95	0,55 0,95	0,62 0,95
Degree of protection	IP 55				
Ambient temperature	- 20 °C ... + 40 °C				
Connections	Terminals 2,5 mm ²				
Entries	EW:	1 x 3/4" NPT			
	EWX/EWI:	4 x 3/4" NPT			
	EWH:	2 x 3/4" NPT			

STAHL

Selection table

Type	Description Illustration	Dimensions [mm]						Lamp- holder	Power	Ordering code		Weight [kg]
		d	H	D	L	P	uncompensated			compensated		
EWE 2025		3/4" NPT	480	200	430	-	E 27	80 W	460 913 0	460 912 0	6,6	
EWE 2035		3/4" NPT	480	200	430	-	E 27	125 W	460 915 0	460 914 0	5,3	
EWA 2045		3/4" NPT	610	220	500	250	E 40	250 W	460 909 0	460 908 0	11,7	
EWA 2055		3/4" NPT	640	270	530	250	E 40	400 W	460 911 0	460 910 0	15,0	



Selection table (Continuation)												
Type	Description Illustration	Dimensions [mm]						Lamp- holder	Power	Ordering code		Weight [kg]
		d	H	D	L	P	uncompen- sated			compen- sated		
EWEX 2025 EWEX 2035		3/4" NPT 3/4" NPT	470 470	200 200	430 430	- -	E 27 E 27	80 W 125 W	460 925 0 460 927 0	460 924 0 460 926 0	6,8 6,8	
EWX 2045 EWX 2055		3/4" NPT 3/4" NPT	600 630	220 270	500 530	250 250	E 40 E 40	250 W 400 W	460 937 0 460 939 0	460 936 0 460 938 0	18,1 15,3	
EWEH 2025 EWEH 2035		3/4" NPT 3/4" NPT	500 500	200 200	430 430	- -	E 27 E 27	80 W 125 W	460 917 0 460 919 0	460 916 0 460 918 0	6,5 6,5	
EWH 2045 EWH 2055		3/4" NPT 3/4" NPT	633 670	220 270	500 530	250 250	E 40 E 40	250 W 400 W	460 929 0 460 931 0	460 928 0 460 930 0	11,8 15,1	
EWEI 2025 EWEI 2035		3/4" NPT 3/4" NPT	480 480	200 200	430 430	- -	E 27 E 27	80 W 125 W	460 921 0 460 923 0	460 920 0 460 922 0	7,5 7,5	
EWI 2045 EWI 2055		3/4" NPT 3/4" NPT	600 630	220 270	500 530	250 250	E 40 E 40	250 W 400 W	460 933 0 460 935 0	460 932 0 460 868 0	12,9 16,1	



The **instrument enclosure EMH** has a cover with window (window dia. 85 mm).

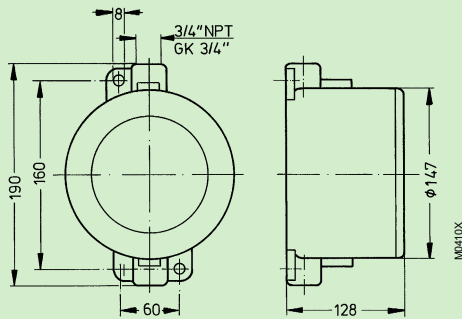
These enclosures can be supplied with respective instruments on request, e.g. ammeters and voltmeters.
If required drain valves and breathers type ECD can be supplied.

Technical data

Explosion protection	EEx d IIC T6
Test certificate	INIEX 82.103.197
Material	
Enclosure	Aluminium (copper free)
Glass	boro-silicate glass
Rated voltage	max. 660 V
Rated current	max. 16 A
Degree of protection	IP 54
Entries	2 x 3/4" NPT

Selection table

Series	Description	Ordering code	Weight [kg]
EMH 9 Instrument enclosure	for □ 90 mm instruments max. depth 75 mm	460 830 0	2,09



Instrument enclosure, EMH 9



Floodlights of series RLEE are suitable for incandescent lamps up to 500 W or max. 400 W mercury vapour lamps. The ballast unit for 400 W HM are built in a separate GUB enclosure, which is connected to the floodlight with a flexible conduit of 1 meter; also 2 seals are supplied with.

The floodlights can be adjusted horizontally and vertically.

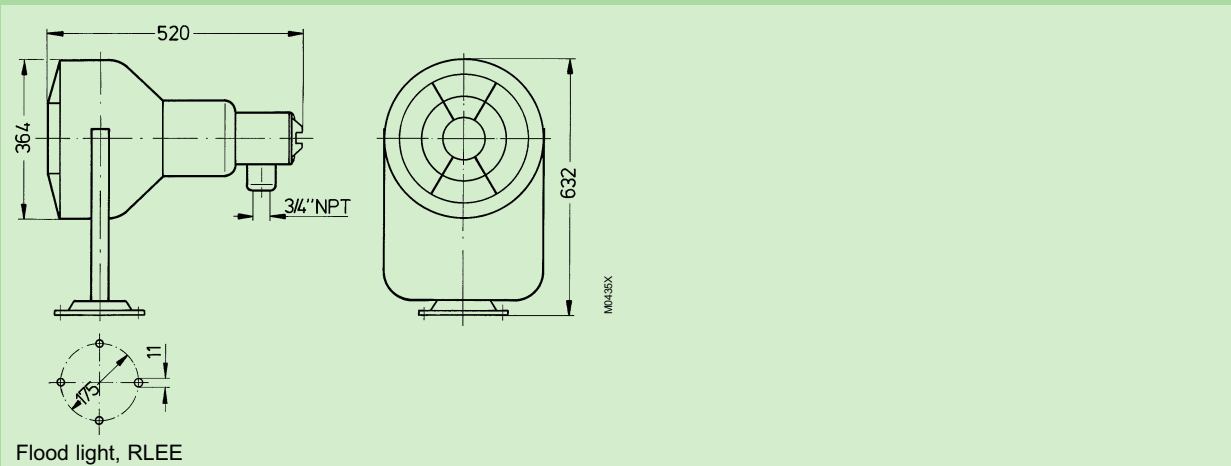
Technical data

Explosion protection	EEx d IIC T3			
Test certificate	INIEX 84.103.385			
Material	Aluminium (copper free)			
Enclosure	Aluminium (copper free)			
Glass	boro-silicate, temperature resistant			
Lamps	Type	Lamp holder	Incand. lamp	Mercury lamp
	RLEE 5	E 40	max. 500 W	400 W
Rated voltage	220 V, 50 Hz			
Degree of protection	IP 54			
Ambient temperature	- 15 °C ... + 40 °C			
Connections	Terminals 2,5 mm ²			
Entries	1 x 3/4" NPT			



Selection table

Series	Description	Ordering code	Weight [kg]
RLEE	E 40 max. 500 W	461 320 0	21,5
Flood light	max. 400 W HM	461 321 0	21,5



Explosionproof distribution panel in EEx d IIB T5 design with Ex d flat-flanged enclosures of series EJB, with operating elements and windows fitted in the covers



RN877

In addition to the previously described standard units, enclosures of series **GUB** and **EJB** are also available to order as special assemblies, equipped with electrical apparatus with or without lid-mounted operating elements.

The covers of the enclosures can accommodate various operating elements, for example:

- Pushbuttons
 - Mushroom head buttons
 - Key operated buttons
- or pilot lamps and windows for indicating instruments.

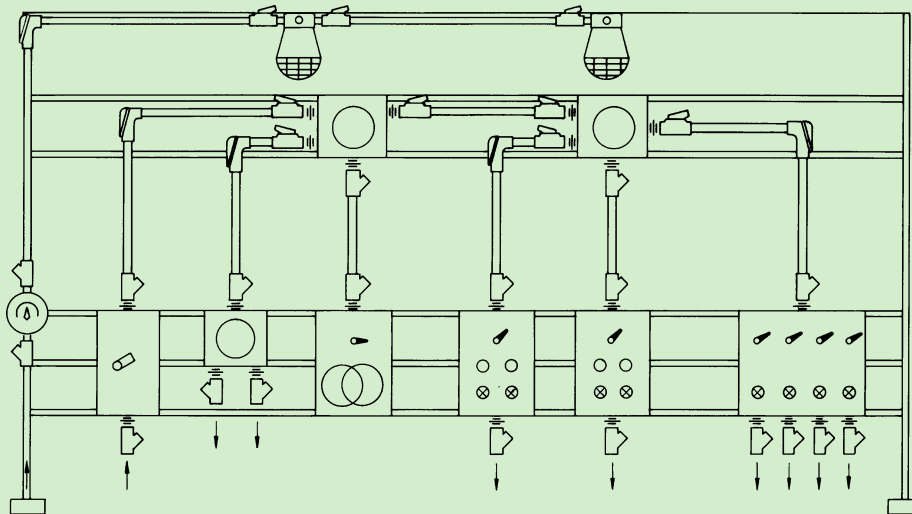
In these explosionproof enclosures, standard industrial electrical apparatus, for example, contactors, switches or motor protection relays can be installed. Thus conventional motor starters, direct-on-line, star delta etc. can be assembled to order.

Connecting wiring can be made directly in the Ex d enclosure, either by conduit (pipe) entry or with explosionproof Ex d cable glands (see Part 13 – Cable glands). In either system, the quality of explosion protection is dependant on the quality of the cable entries, thus careful installation is essential.

Multiple enclosure assemblies are joined together with the appropriate accessories, e.g. nipples, adaptors, conduit seals etc. The assemblies are normally factory finished but experienced fitters can also build up assemblies, on site, using the appropriate components.

Special frames or stands to customer requirements can be used. For outdoor installation appropriate canopies can be quoted.

Example of single front switch rack



Rotary switch for lighting systems

Main circuit breaker with operating lever on front


Distribution box with 2 outgoing


Auxiliary circuit supply with m.c.b. and transformer


2 direct-on-line starters with m.c.b. with operating lever, start-stop bushbuttons and pilot lights on the cover

Distribution lighting panel with m.c.b.'s with operating lever and pilot lights on the cover; 4 outgoing

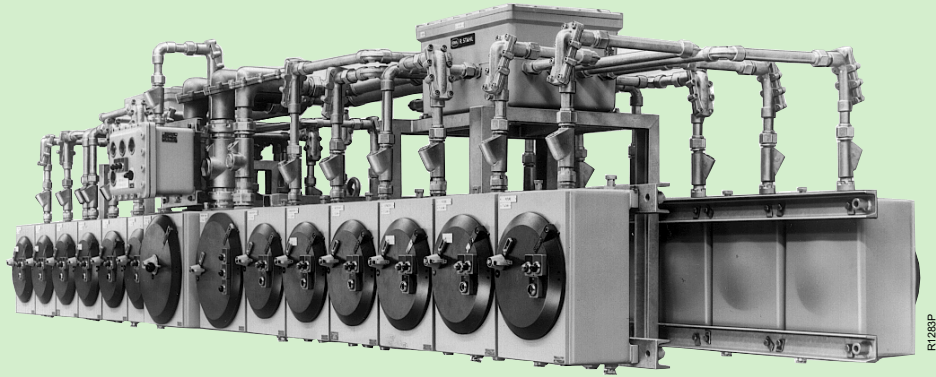
Codes

 EZS seal + NP + BMF (Horizontal type)

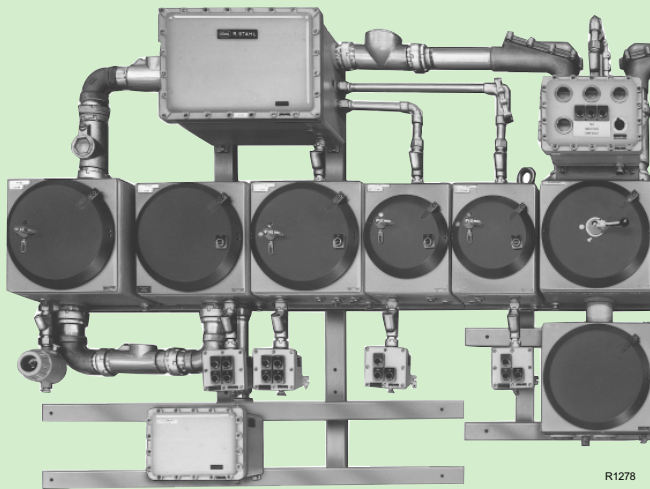
 EYS seal + NP + BMF (Vertical type)

 LBH open elbow

Explosion protected distribution panel for Zone 1, type of protection EEx d IIB T5 with enclosures EJB and series 8220 (see part 13).

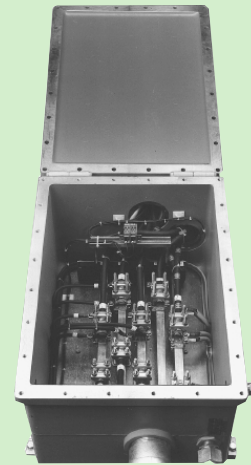


R126SP

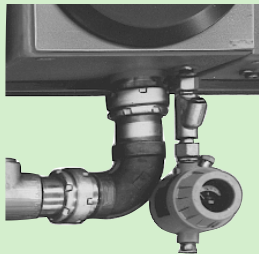


R1278

EJB distribution box with integrated bus bar system 400 Ampere for power distribution to the individual exits by means of air break contactors.

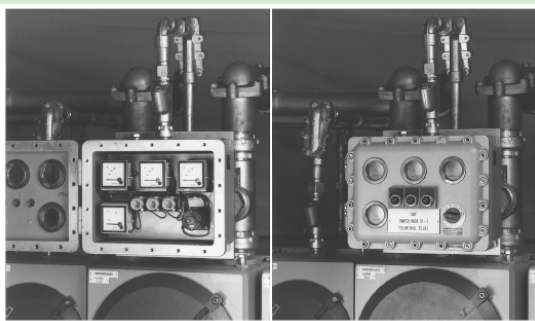


0250 B



R1278

Instrument enclosure EMH 9 mounted to an Ex d enclosure.



RN0252B

EJB instrument enclosure with window and operating elements integrated in the cover for monitoring current and voltage.



Exit with contactors (star-delta starter)

EJB-control station

EJB terminal box

RN0251B

