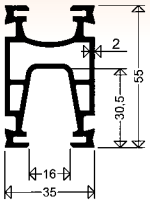
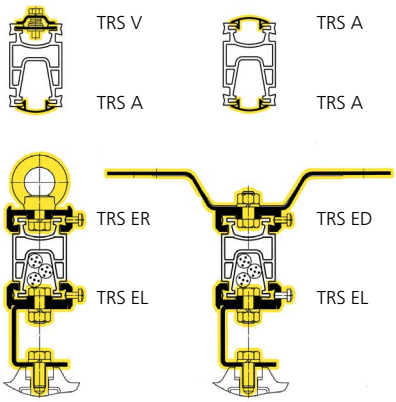


Aluminium Carrier Rails for Continuous Row Installation Series TRS 2000... and AL...

Application:
For rows of light fittings suspended from the ceiling, allowing an easy installation and assembly.
Design:
Aluminium profiled carrier rails (**AL / TRS 2000**)
Lengths: 2, 3 or 5 m. Additional covering strip (**TRS 2000 A**) for series TRS.
Mounting accessories:
For each length of a light fitting only one suspension point is required.
Connection brackets (**TRS 2000 V**) - to be ordered separately - allow joining the individual rails up to any length wanted.
The carrier rails can either be mounted directly to the ceiling by means of the ceiling brackets (**183 A / TRS 2000 ED**) or they can be suspended from the ceiling by means of the hook (**183 H / TRS 2000 ER**) in combination with the chain (**KP 40**) (max. distance of mounting rail elements
2.5 m). Perlon pendulums are not suitable for this purpose.
2 or 3 devices (**183 L / TRS 2000 EL P**) serve for mounting a light fitting to the rail. The suspension devices **183 A / TRS 2000 ED** and **183 H / TRS 2000 ER** as well as the devices **183 L / TRS 2000 EL P** are movable in the longitudinal direction of the rails.





TRS 2000...

aluminium carrier rails with high loading capacity

for series e840..., e864..., e865..., e821..., nD822...

Product highlights:

- Universal quick-action mounting system for explosion- and weather-proof light fittings
- easy to install (mount the suspension devices to the light fitting, then push the light fitting into the carrier rail profile)
- higher load capacity due to new profile design
- inserting the mains cable into the cable channel is possible
- a cover strip serves as a protection against dirt deposit

Article No.	Type	Product	Weight ca. [kg]
90260 0001	**TRS 2000 2M**	Alu-rail 2 m long	3,03
90260 0002	**TRS 2000 3M**	Alu-rail 3 m long	4,55
90260 0003	**TRS 2000 5M**	Alu-rail 5 m long	7,58
90265 0005	**TRS 2000 A 1M**	covering strip, 1 m long	0,04
90265 0006	**TRS 2000 A 2M**	covering strip, 2 m long	0,07

Mounting Devices

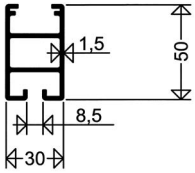
Article No.	Type	Product
90265 0004	**TRS 2000 V**	stainless steel device (profile) for rail connection
90265 0008	**TRS 2000 ED**	stainless steel ceiling bracket for mounting the rail
90022 0001	**KP 40**	chain 1 m long with 2 eyelets for fastening and length compensation
90265 0007	**TRS 2000 ER**	stainless steel ring nut for chain
90265 0009	**TRS 2000 EL P**	stainless steel mounting bracket



AL...

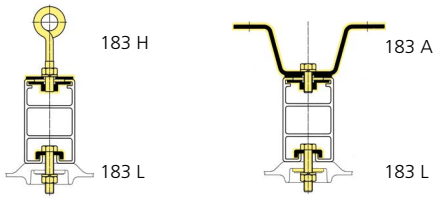
aluminium carrier rails for series nD866.../nD867

Article No.	Type	Product	Weight ca. [kg]
90005 0001	**AL 2M**	Alu-rail 2 m long	1,6



Mounting Devices

Article -No.	Type	Product
90265 0004	**TRS 2000 V**	stainless steel device for rail connection
90185 0001	**183 A**	stainless steel ceiling bracket for ceiling mounting of the carrier rail
90022 0001	**KP 40**	chain 1 m long with 2 eyelets for fastening and length compensation
90049 0001	**183 H**	stainless steel hook for chain pendulum
90050 0001	**183 L**	stainless steel mounting bracket



Through-wiring Systems for Explosion-Protected Light Fittings

For all light fittings installed in a continuous row. Through-wiring system with 2 multipole terminals which are fixed inside the light fitting.
(Since retrofitting the through-wiring system on site is subject to special regulations in regard to hazardous areas, we do recommend a factory-made through-wiring system.)

Through-wiring systems:
2.5 mm² up to 16 A
4.0 mm² up to 20 A
(depending on the permissible ambient temperature of the light fitting).

Note:

With the "variable cable entries" most of our explosion-protected fluorescent fittings are well suited for **looping the cable at one** end of the fitting. This allows a perfect adaptation to the local conditions and moreover **in many cases this spares the classic through-wiring system.**

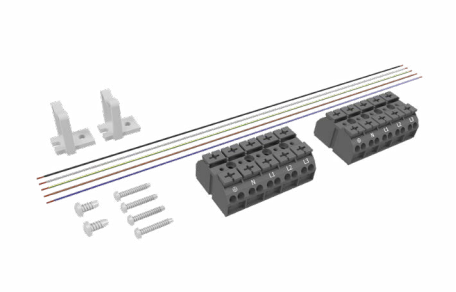
Please contact us for details in regard to explosion-protected fittings with looping system.

Factory-made through-wiring system

Our explosion-protected light fittings of Zone 1/21 and Zone 2/22 with factory-made through-wiring systems will be delivered with the standard through-wiring system 5x2,5mm² PVC of 6x2,5mm² PVC (emergency fittings Zone1/21). Fittings with such standard through-wiring do have separate part numbers.

Example: Type e840..		
Article No.	**Type**	**Through-wiring system)**
84005 0001	**e840 12L42**	**without** through-wiring system)
84005 1001	**e840 12L42 DV**	with classical through-wiring system 5 x 2.5 mm² PVC

Throug wiring systems for other cable cross sections (e.g. 4 mm²) or number of poles (e.g. 3 x 2,5 mm²) are available on request.



Through-wiring system for retrofit

Article No.	**Type**	
for ex-proof LED-light fittings zone 1/21		
11501 0020	**DV/NS ZO1/21 LED e865 06L**	5 x 2,5 mm² PVC, für e865 06 …
11501 0019	**DV/NS ZO1/21 LED e865 12L, e840 12L**	5 x 2,5 mm² PVC, for e840... and e865 12 ...
for ex-proof LED-light fittings zone 2/22		
11891 0015	**DV/NS ZO2/22 LED nD866 06L**	5 x 2,5 mm² PVC, für nD866 06 …
11891 0014	**DV/NS ZO2/22 LED nD866 12L**	5 x 2,5 mm² PVC, nD866 12 ...

Through-wiring retrofit sets for other series or other cable cross sections are also available.



Explosion-Protected Wall Sockets
System SolConeX
Series 4216...

Applications:
Hazardous areas of zones 1, 21 and 2, 22

Design:
Housing: Made from impact resistant plastic material with lock-up switch.
System SolConeX

Cable entry:
1 cable gland M25 x 1,5 and
1 plug M25 x 1,5 (at bottom)

Type	Ident.-No.	Dimens./mm height/ length	Width resp. Ø
4216/306	8570/11-306	232	105
4216/506	8570/11-506	248	115

DB are standardised by Deutsche Bahn AG

4216/...

II 2 G Ex db eb IIC T6 Gb | II 2 D Ex tb IIIC T80°C Db | IP66

or voltages up to 415 V

EU-Type Examination Certificate:
PTB 03 **ATEX** 1227
Ignition protection:
e (increased safety)

Marking:
II 2 G Ex db eb IIC T6 Gb
II 2 D Ex tb IIIC T80°C Db
Temperature class: T6
Permissible ambient temperature:
–30 °C bis +55 °C

Article No.	Type	Rated-current	Voltage	Poles	Conn. terminals	Weight ca. [kg]
41060 0006	**4216/306**	16 A	200-250 V	2P + PE	up to 2 x 6,0 mm²	1,12
41060 0008	**4216/506**	16 A	200-415 V	3P + N + PE	up to 2 x 6,0 mm²	1,45



Explosion-Protected Plugs
System SolConeX
Series 4210...

Applications:
Hazardous areas of zones 1, 21 and 2, 22.

Design:
Housing: Made from impact resistant plastic material. System SolConeX

Cable entry:
8 to 20 mm cable

Type	Ident.-No.	Dimens./mm height/ length	Width resp. Ø
4210/306	8570/12-306	176	76
4210/506	8570/12-506	176	92
Covering cap for plug available upon request.			

DB are standardised by Deutsche Bahn AG

4210/...

II 2 G Ex db eb IIC T6 Gb | II 2 D Ex tb IIIC T80°C Db | IP66

for voltages up to 415 V

EU-Type Examination Certificate:
PTB 03 **ATEX** 1227
Ignition protection:
e (increased safety)

Marking:
II 2 G Ex db eb IIC T6 Gb
II 2 D Ex tb IIIC T80°C Db
Temperature class: T6
Permissible ambient temperature:
–30 °C bis +55 °C

Article No.	Type	Rated current	Voltage	Pole	Conn. terminals	Weight ca. [kg]
41050 0006	**4210/306**	16 A	200-250 V	2P + PE	up to 2 x 6,0 mm²	0,38
41050 0008	**4210/506**	16 A	200-415 V	3P + N + PE	up to 2 x 6,0 mm²	0,50

Explosion-Protected Installation Switches Series 8040...



Applications:
For switching lighting installations in hazardous areas of Zones 1, 21 and 2, 22. Pay attention to the permissible switching capacities.
Design:
Housing and cover: Made from impact resistant glass fibre reinforced polyester resin. Rotary handle fluorescent. 90° switching.
Connection terminals:
stranded wire: 1,5 ... 2,5 mm².
solid wire: 1,5 ... 4,0 mm²

Cable entry:
1 cable gland M25 x 1,5 and 2 plugs M25 x 1,5 are part of the delivery.
2nd cable gland upon request.
Mounting: By means of 2 screws.

Electrical Data
Rated Voltage 690V AC, 220V DC
Switching capacities

AC-1	16 A	690 V
AC-15	16 A	415 V
AC-3	8 A	500 V
AC-3	4 A	690 V
DC-1	10 A	24 V
DC-1	6 A	60 V
DC-1	10 A	110 V [1)]
DC-1	10 A	220 V [2)]

Number of poles: 2-pole
1) 2 contacts connected in series
2) 3 contacts connected in series

8040/.

Ex | II 2 G Ex de IIC T6 Gb | II 2 D Ex tb IIIC T80°C Db | IP65

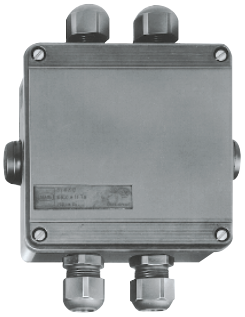
for voltages up to 690 V

EU-Type Examination Certificate:
PTB 01 **ATEX** 1105
Marking:
II 2 G Ex de IIC T6 Gb
II 2 D Ex tb IIIC T80° Db

Ignition protection: e (increased safety)
Rated voltage: 690 V AC, 220V DC
Rated current: max. 16 A
Permissible ambient temperature:
-20 °C bis +40 °C.

Article No.	Type	Switch version	Ident no.	Weight ca. [kg]
80300 0003	**8040/A**	ON-OFF 2 poles	8040/11-V30-33-B	0,60
80300 0004	**8040/W**	Pole changing switch	8040/11-V30-35-B	0,62

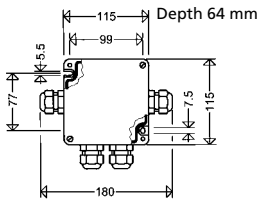
Explosion-Protected Junction Box Series 8118...



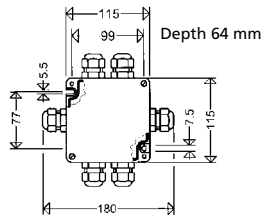
Applications:
For transmission and distribution of electrical energy in hazardous areas of Zones 1 and 2.
Design:
Housing: Made from impact resistant glass fibre reinforced polyester resin.
Connection terminals: 5 hood-type terminals (1 of them serves for earth connection) for a max. conductor size of 2 x 6.0 mm².

Cable entry:
8118/4:
4 cable glands M25 x 1,5 +2 plugs M25 x 1,5.
8118/6:
6 cable glands M25 x 1,5
Mounting system:
See dimensional drawings.

8118/4



8118/6



8118/.

Ex | II 2 G Ex e IIC T5/T6 Gb | II 2 D Ex tb IIIC T80°C/T95°C Db | IP66

voltages up to 750 V

EU-Type Examination Certificate:
PTB 99 **ATEX** 3103
Marking:
II 2 G Ex e IIC T5/T6 Gb
II 2 D Ex tb IIIC T80°C/T95°C Db

Ignition protection: e (increased safety)
Rated voltage: 750V AC
Permissible ambient temperature:
T6: -40 °C bis +40 °C
T5: -40 °C bis +55 °C
Rated current: max. 35 A

Article No.	Type	Cable gland	Weight ca. [kg]
81180 0001	**8118/4**	4 x M25 x 1,5	0,57
81180 0002	**8118/6**	6 x M25 x 1,5	0,61