



WKE AK-Small distribution board										
Name	WKE AK 14	WKE AK 14/2	WKE AK 28	WKE AK 28/2	WKE AK 42	WKE AK 42/2	WKE AK 56	WKE AK 56/2	WKE AK 70	WKE AK 70/2
Order number	865 414 01	865 614 01	865 428 01	865 628 01	865 442 01	865 642 01	865 456 01	865 656 01	865 470 01	865 670 01
EAN	4013902 816118	4013902 850457	4013902 816125	4013902 850464	4013902 816132	4013902 850471	4013902 816149	4013902 850488	4013902 816156	4013902 848232
Dimensions in mm (L x W x H)	400 x 540 x 230	700 x 540 x 230	400 x 690 x 230	700 x 690 x 230	400 x 840 x 230	700 x 840 x 230	400 x 990 x 230	700 x 990 x 230	700 x 1140 x 230	700 x 1140 x 230
Modules	14 TE	28 TE	28 TE	56 TE	42 TE	84 TE	56 TE	112 TE	70 TE	140 TE
Distribution board	1-row	1-row	2-row	2-row	3-row	3-row	4-row	4-row	5-row	5-row
Material enclosure	Fire protection boards	Fire protection boards	Fire protection boards	Fire protection boards	Fire protection boards	Fire protection boards	Fire protection boards	Fire protection boards	Fire protection boards	Fire protection boards
Enclosure colour	light grey	light grey	light grey	light grey	light grey	light grey	light grey	light grey	light grey	light grey

Tests/approvals:										
Functional integrity	E30 E60 E90 in accordance with MLAR	E30 E60 E90 in accordance with MLAR	E30 E60 E90 in accordance with MLAR	E30 E60 E90 in accordance with MLAR	E30 E60 E90 in accordance with MLAR	E30 E60 E90 in accordance with MLAR	E30 E60 E90 in accordance with MLAR	E30 E60 E90 in accordance with MLAR	E30 E60 E90 in accordance with MLAR	E30 E60 E90 in accordance with MLAR
Fire load insulation	F30 F60 F90 in accordance with MLAR	F30 F60 F90 in accordance with MLAR	F30 F60 F90 in accordance with MLAR	F30 F60 F90 in accordance with MLAR	F30 F60 F90 in accordance with MLAR	F30 F60 F90 in accordance with MLAR	F30 F60 F90 in accordance with MLAR	F30 F60 F90 in accordance with MLAR	F30 F60 F90 in accordance with MLAR	F30 F60 F90 in accordance with MLAR
VDE test mark	EN 61 439-1	EN 61 439-1	EN 61 439-1	EN 61 439-1	EN 61 439-1	EN 61 439-1	EN 61 439-1	EN 61 439-1	EN 61 439-1	EN 61 439-1
Protection class	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Protection type IP (EN 60670)	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Nominal voltage (DIN IEC 60998-2-5)	Ui =400 V	Ui =400 V	Ui =400 V	Ui =400 V	Ui =400 V	Ui =400 V	Ui =400 V	Ui =400 V	Ui =400 V	Ui =400 V
Impact strength IK (DIN EN 50102)	IK 10	IK 10	IK 10	IK 10	IK 10	IK 10	IK 10	IK 10	IK 10	IK 10
Ambient temperature	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C
Installation	inside	inside	inside	inside	inside	inside	inside	inside	inside	inside
Special features	Equipment with type-tested operating materials	Equipment with type-tested operating materials	Equipment with type-tested operating materials	Equipment with type-tested operating materials	Equipment with type-tested operating materials	Equipment with type-tested operating materials	Equipment with type-tested operating materials	Equipment with type-tested operating materials	Equipment with type-tested operating materials	Equipment with type-tested operating materials
Accessories	Double membrane socket, cover and label strips	Double membrane socket, cover and label strips	Double membrane socket, cover and label strips	Double membrane socket, cover and label strips	Double membrane socket, cover and label strips	Double membrane socket, cover and label strips	Double membrane socket, cover and label strips	Double membrane socket, cover and label strips	Double membrane socket, cover and label strips	Double membrane socket, cover and label strips
Usable cable manufacturer and cable	DIN 4102; VDE	DIN 4102; VDE	DIN 4102; VDE	DIN 4102; VDE	DIN 4102; VDE	DIN 4102; VDE	DIN 4102; VDE	DIN 4102; VDE	DIN 4102; VDE	DIN 4102; VDE

Area of application:										
Interior area/ Building technology	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interior area/ increased requirement Underground parking, Service passageways	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Protected outside area/parking garages	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Railway tunnels	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Road tunnels	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Special structures/ Special types	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ = suitable ▲ = limited suitability

All WKE AK - types upon request, also available with hinges on the right

What is functional integrity?
Functional integrity is given if, during a fire, there is no short circuit and no interruption of the current flow in the electrical pipe system.

Components which comply with DIN 4102 Part 12 are high-voltage power lines, installation cables and lines, busbar trunking systems, cable ducts, coatings, claddings, and all necessary connecting elements, carrying devices and fittings. Lines and components are always tested as an entire system by the approved inspection bodies from the German Institute of Structural Engineering (Deutsches Institut für Bautechnik - DiBt).

WKE Duo
Cable junction and connection boxes
E 30 / E 60 / E 90 in accordance with DIN 4102, Part 12

- MPA-tested
- For installation of different cable cross-sections in a terminal
- Without a limit up to the nominal cable cross-section
- Quick mounting due to outer installation
- 5 enclosure sizes equipped with terminals from 6 to 16 mm²
- Fully pre-assembled

IP65 IP54 E30-E90 FE180 F400 16²
IK05 450V AC/DC

WKE 2 - 5
Junction boxes
E 30 / E 60 / E 90 in accordance with DIN 4102, Part 12

- MPA and VDE-tested
- Plastic enclosure, insulation protected
- Quick mounting due to outer installation
- 6 Standard types from 0.5 to 16 mm²
- Flexible cable entries
- Fully pre-assembled
- Upgradable to IP65
- Ideal for building technology

IP65 IP54 E30-E90 FE180 F400 6-16²
IK05 450V AC/DC

WKE 54
Junction box
E 30 / E 60 / E 90, DIN 4102, Part 12

- MPA and VDE-tested
- Plastic enclosure, insulation protected
- Outside installation
- Double terminal 16²
- Flexible equipment
- Secured outflow
- Robust enclosure
- Ideal for tunnels and industrial areas

IP67 IP65 E30-E90 FE180 F400 16²
IK07 690V AC/DC

WKE 200 - WKE 400
Junction boxes
E 30 in accordance with DIN 4102, Part 12

- MPA and VDE-tested
- Plastic enclosure, insulation-protected
- Clamping area up to 35²
- Flexible equipment
- Secured outflow with functional integrity
- Particularly robust
- Ideal for saving time and materials
- Planning in building technology

IP66 IP65 E30 E90 FE180 F400 35²
IK08 450V AC/DC

WKE Rapid Box
Switchgear assembly
E 30 / E 60 / E 90 in accordance with EN 1363 (MPA)

- Contact from uncut conductors up to 50 mm², also retroactively
- Maintenance free and secured mantle terminal with revolving, elastic pressure piece and reverse lock
- Tap via spring-cage terminal
- Simplified line mounting during installation
- Uninterrupted power supply via uncut conductors

IP67 IP66 E30-E90 50² IK09 400V AC/DC

WKE AK
Small distribution board

- MPA and VDE-tested
- VDE-tested in accordance with EN 61 439-1
- Individually equipped with type-tested operating materials
- Fire resistance to flames on exterior EI 90 in accordance with EN 13501
- Protection of the electrical fixtures
- Fire resistance to flames on interior EI 90 in accordance with EN 13501
- Protection of the environment from fire in the electrical system

IP65 90 30 14/140 IK10 400V AC

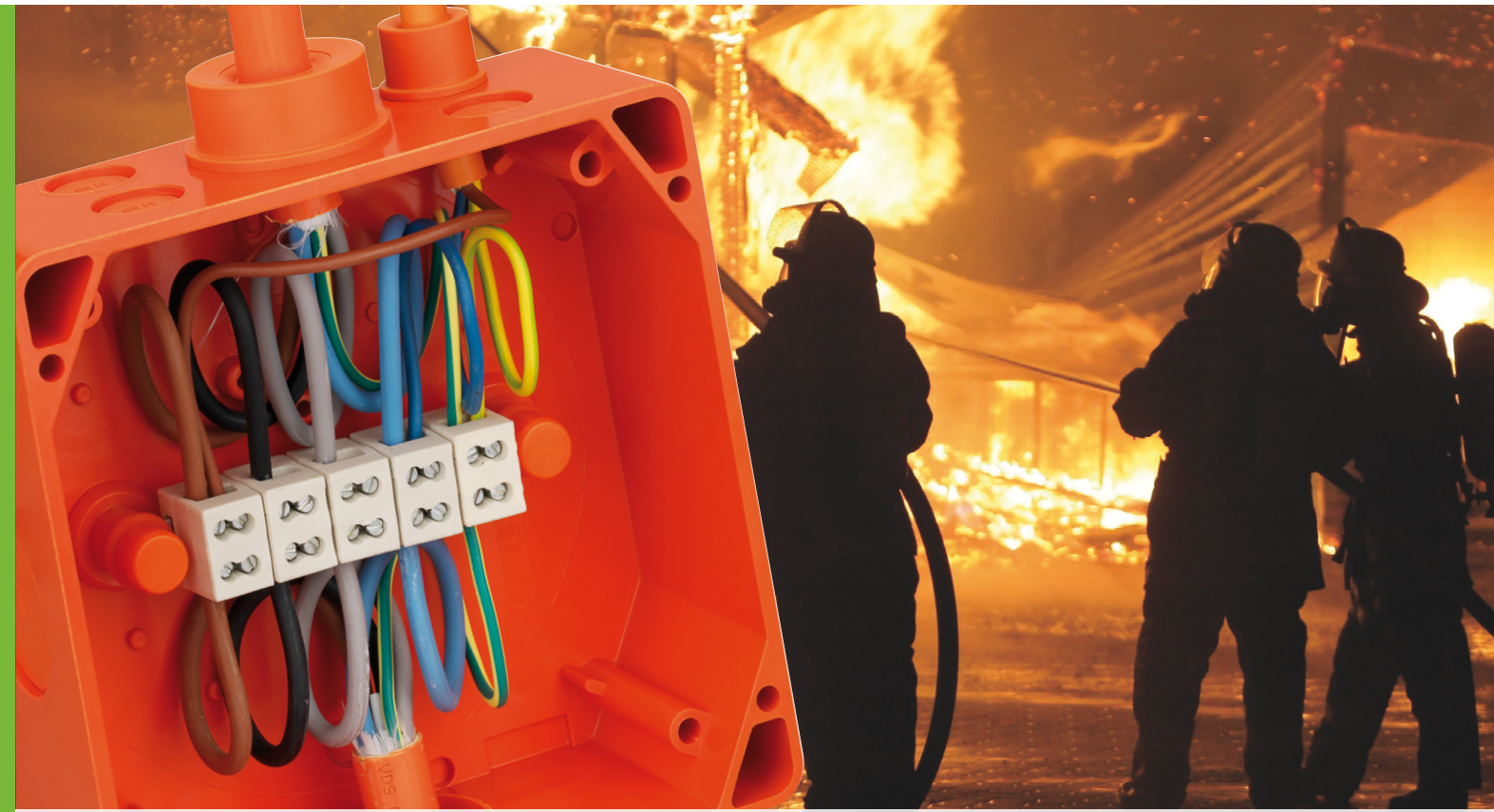


Cable gland clamping areas

			Nm
M 12 x 1.5		2 - 6.5	2
M 16 x 1.5		4 - 10	2.5
M 20 x 1.5		6 - 12	4
M 25 x 1.5		7 - 14	4
M 25 x 1.5		9 - 16	6
M 32 x 1.5		11 - 21	7
M 40 x 1.5		16 - 28	7.5

Number of clamping conductors per pole or clamping unit

	Terminal 6 ² Tightening torque 0.8 Nm			Terminal 10 ² Tightening torque 1.2 Nm			Terminal 16 ² Tightening torque 2.0 Nm		
0.5 ²	16	8	4						
0.75 ²	8	4	2						
1.0 ²	12	6	3	20	10	5			
1.5 ²	12	6	3	16	8	4	20	10	5
2.5 ²	4	2	1	12	6	3	16	8	4
4 ²	4	2	1	8	4	2	12	6	3
6 ²	4	2	1	4	2	1	8	4	2
10 ²				4	2	1	4	2	1
16 ²							4	2	1



Intrinsic fire resistance

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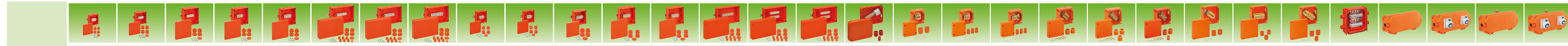
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WKE junction boxes and distribution boards | Product overview



	WKE 2 - 5 Duo								WKE 2 - 5								WKE 54	WKE 200 RK - WKE 400 RK										WKE 405 LSA	Rapid-Box			
Name	WKE 2 - Duo 3 x 6²	WKE 3 - Duo 3 x 6² / 2 x 6²	WKE 4 - Duo 5 x 6²	WKE 4 - Duo 3 x 10²	WKE 4 - Duo 3 x 16²	WKE 5 - Duo 7 x 6²	WKE 5 - Duo 5 x 10²	WKE 5 - Duo 5 x 16²	WKE 2 - 5 x 6²	WKE 2 - 3 x 10²	WKE 3 - 5 x 10²	WKE 4 - 5 x 16²	WKE 4 - 8 x 6²	WKE 5 - 15 x 6²	WKE 5 - 20 x 6²	WKE 5-24 x 6²	WKE 54	WKE 202 RK	WKE 203 RK	WKE 204 RK	WKE 302 RK	WKE 303 RK	WKE 304 RK	WKE 402 RK	WKE 403 RK	WKE 404 RK	WKE 405 LSA	Rapid-Box E30 2.5-16² KV 2 x 5	Rapid-Box E30 10-50² STV 2 x 3-pole	Rapid-Box E90 2.5-16² KV 2 x 5	Rapid-Box E90 10-50² STV 2 x 3-pole	
Order number	861 400 01	861 710 01	861 410 01	861 500 01	861 600 01	861 420 01	861 510 01	861 610 01	860 502 01	860 512 01	860 503 01	860 504 01	860 514 01	860 505 01	860 505 20	860 505 24	860 254 01	862 202 01	862 203 01	862 204 01	862 302 01	862 303 01	862 304 01	862 402 01	862 403 01	862 404 01	862 405 01	301 421 01	301 541 01	301 221 01	301 341 01	
EAN	4013902 544 752	4013902 544 769	4013902 544 776	4013902 544 783	4013902 544 790	4013902 544 806	4013902 544 813	4013902 544 813	4013902 815 715	4013902 815 722	4013902 815 739	4013902 815 746	4013902 815 753	4013902 815 760	4013902 815 777	4013902 815 784	4013902 986 484	4013902 907 540	4013902 907557	4013902 908462	4013902 924 448	4013902 924 455	4013902 924 462	4013902 907 588	4013902 907 595	4013902 907 601	4013902 409 273	4013902 429 066	4013902 428 588	4013902 429 240	4013902 428 762	
Dimensions in mm (L x W x H)	100 x 100 x 50	115 x 115 x 66	165 x 165 x 76	165 x 165 x 76	165 x 165 x 76	256 x 171 x 106	256 x 171 x 106	256 x 171 x 106	100 x 100 x 50	100 x 100 x 50	115 x 115 x 66	165 x 165 x 76	165 x 165 x 76	256 x 171 x 106	256 x 171 x 106	256 x 171 x 106	276 x 208 x 108	115 x 115 x 93	115 x 115 x 93	115 x 115 x 93	160 x 160 x 110	160 x 160 x 110	160 x 160 x 110	200 x 200 x 110	200 x 200 x 110	200 x 200 x 110	200 x 200 x 110	446 x 190 x 161	446 x 190 x 161	446 x 220 x 161	446 x 220 x 161	
Clamping area	6²	6²	6²	10²	16²	6²	10²	16²	6²	10²	10²	16²	6²	6²	6²	6²	16² double terminal	6²	4²	4²	16²	10²	10²	35²	16²	35²	LSA-Plus	16²	50²	16²	50²	
Pole	3	3 / 2	5	3	3	7	5	5	5	3	5	5	8	15	20	24	5	5	4	3 feed-through 3 branch	5	5	5 feed-through 3 branch	5	5	5 feed-through 3 branch	2 x 10 DA	3	3	4	4	
Material terminal	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	-	Thermoset	Thermoset	Ceramic	Ceramic	
Material enclosure	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	Thermoset	
Enclosure colour	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	orange	
Approved cable entries	6	6	8	8	8	16	16	16	6	6	6	8	8	16	16	16	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	
Tests/approvals:																																
Functional integrity	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30 E60 E90	E30	E30	E30	E30	E30	E30	E30	E30	E30	E30	E30	E90	E90		
Insulation integrity	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	FE180	-	-	-	-	-	
Functional life	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	F400	-	-	-	-	-	
Fire load insulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VDE test mark	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	DIN EN 60670	EN 61439	EN 61439	EN 61439	EN 61439	
Protection class	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
Protection type IP (EN 60670)	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 65 / IP 54	IP 67	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66	IP 65	IP 66 / IP 67	IP 66 / IP 67	IP 66 / IP 67	IP 66 / IP 67	
Nominal voltage (DIN IEC 60998-2-5)	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =690 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	Ui =450 V	-	Ui =400 V	Ui =400 V	Ui =400 V	Ui =400 V		
Impact strength IK (DIN EN 50102)	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 05	IK 07	IK 08	IK 08	IK 08	IK 08	IK 08	IK 08	IK 08	IK 08	IK 08	IK 09	IK 09	IK 09	IK 09		
Pressure suction test	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Ambient temperature	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C	-25°C to 40°C		
UL fire test	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	-	-	-	-	-	-	-	-	-	-	-	-	-		
Installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside installation	Outside/inside	Outside/inside	Outside/inside	Outside/inside	Outside/inside	Outside/inside	Outside/inside	Outside/inside	Outside/inside	Outside	Outside	Outside	Outside		
Mounting on cable tray	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-	-	-	-	-		
Special features	Double terminal	Double terminal	Double terminal	Double terminal	Double terminal	Double terminal	Double terminal	Double terminal	-	-	-	-	-	-	-	-	2 fuses D 01	-	-	E30 fuse max. 6.3 A	-	-	E30 fuse max. 6.3 A	-	E30 fuse max. 6.3 A	-	for uncut conductors	for uncut conductors	for uncut conductors	for uncut conductors		
Accessories	Attachment socket Sealing plug Installation kit D6	Attachment socket Sealing plug Installation kit D6	Attachment socket Sealing plug Installation kit D6	Attachment socket Sealing plug Installation kit D6	Attachment socket Sealing plug Installation kit D6	Attachment socket Sealing plug Installation kit D6	Attachment socket Sealing plug Installation kit D6	Attachment socket Sealing plug Installation kit D6	Attachment socket Sealing plug Installation kit D6	Attachment socket Sealing plug Installation kit D6	Attachment socket Sealing plug Installation kit D6, sealing kit	Attachment socket Sealing plug Installation kit D6, sealing kit	Attachment socket Sealing plug Installation kit D6, sealing kit	Attachment socket Sealing plug Installation kit D6, sealing kit	Attachment socket Sealing plug Installation kit D6, sealing kit	Attachment socket Sealing plug Installation kit D6, sealing kit	Cable connection	Dowel kit Ø 6 mm cable gland	Dowel kit Ø 6 mm cable gland	Dowel kit Ø 6 mm cable gland	Dowel kit Ø 6 mm cable gland	Dowel kit Ø 6 mm cable gland	Dowel kit Ø 6 mm cable gland	Dowel kit Ø 6 mm cable gland	Dowel kit Ø 6 mm cable gland	Dowel kit Ø 6 mm cable gland	-	-	-	-		
Usable cable manufacturer and cable	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE	DIN 4102/12; VDE		
Area of application:																																
Interior area/ Building technology	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Interior area/ increased requirement, underground parking, Service passageways	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Protected outside area/parking garages	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲		
Railway tunnels	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲		
Road tunnels	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲		
Special structures/types	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲		