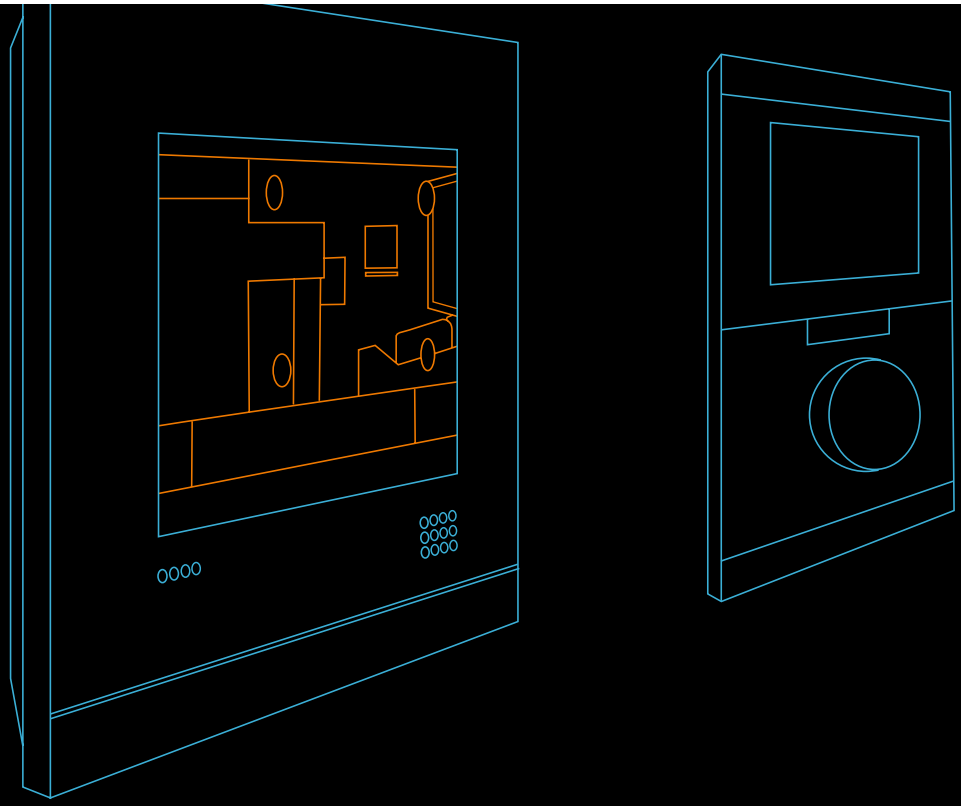

Technical Data 2010/2011

Power and productivity
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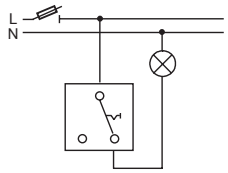
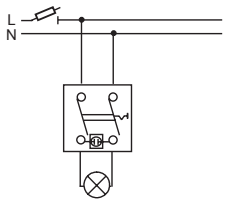
Legend of Special Markings

~	AC voltage
=	DC voltage
RAL	Specification of colour graduations of the "Deutsches Institut für Gütesicherung und Kennzeichnung e. V."
SCHUKO®	Registered trademark of SCHUKO-Warenzeichenverbandes e. V. as per DIN 49441
cos φ	Factor for the assessment of power in AC circuits
µF	Unit for capacity
I_{sn}	Rated leakage current
U_{sp}	Protection level
	Dimmer suitable for 230-V incandescent and HV halogen lamps
	Dimmer additionally suitable for low-voltage halogen lamps with conventional (coiled) transformer
	Dimmer additionally suitable for low-voltage halogen lamps with electronic transformer
	Suitable for incandescent lamps
	Suitable for wound transformers with packet/toroidal-core transformers
	Suitable for electronic transformers
	Suitable for fluorescent lamps
M	Suitable for blinds, roller blinds and awning drives
LAN	(Local Area Network) Special IBM data wiring system
Modular Jack	Pluggable connection for data terminal equipment (as per IEC 603-7 or ENV 41001) as 6- or 8-pole version
A C O	System for shielded/unshielded stranded wires and coaxial cables
BNC/TNC	Connection for coaxial cables for HF signals with an impedance of =75 ohms or 93 ohms, e. g. video cables
Twinax	Connection system for PCs and monitors
LWL	Fibre-optic cable mainly used for high-speed datatransmission
VdS	German Association of Property Insurers
M	Suitable for installation in furniture, VDE 710 Part 14/04.82
UP	German abbreviation for flush-mounted
AP	German abbreviation for surface-mounted
EB	German abbreviation for built-in devices
EVG	German abbreviation for electronic ballasts

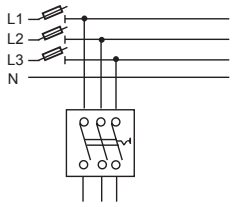
H	Suitable for partition wall box
	Bridging terminal
	Single entry terminal
IP	(International Protection) Specified as per DIN 40050, IEC 529, type of protection of a device against the penetration of foreign bodies and moisture
IP 41	Protection against penetration of solid foreign bodies > 1 mm and against vertically dripping water
IP 44	Protection against penetration of solid foreign bodies > 1 mm and against water splashing from all directions
IP 54	Complete access-protection and against harmful dust deposits. Protection against water splashing from all directions.
IP 66	Complete access-protection and against temporary flooding
	Increased mechanical stability for plug-and-socket devices as per DIN 49400 and 49441, installation devices made of impact-resistant material for increased mechanical stress
	Marking on RCDs. The devices must be triggered in event of alternating and pulsating d.c. fault currents which, within each period of net frequency, become equal or almost zero for at least half of this period.
– 25	Cold-resistance marking. As per DIN VDE 0664 Part 1 RCDs must work faultlessly at ambient temperatures of – 5 to + 40 °C. The ranged beyond this to – 25 °C is shown by the mark on the left. Therefore, such devices can be used out-doors as well as in cooling systems, etc.
S	Selective protection (time-delayed) regarding main RCDs means that in the case of overload or short-circuits always only the protective device is triggered which is closest to the fault.
EIB	Registered trademark of the European Installation Bus Association sc (EIBA), Brussels
KNX	Konex technology
Windows™	Registered trademark of the Microsoft Corporation
	Class II insulation protection
ETS 3-Starter	Devices can be put into operation with the ETS3-Starter



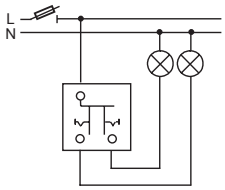
1gang 1way SP



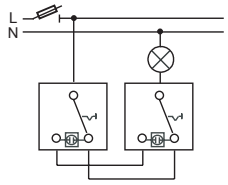
1gang 1way DP with
neon indicator



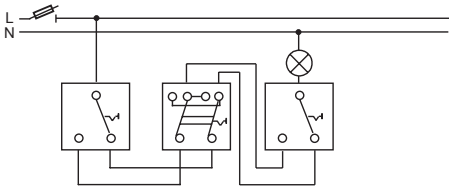
1gang 1way 3-pole



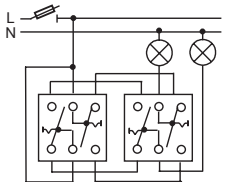
2gang 1way SP



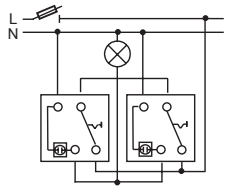
1gang 2way with 1gang 2way
(both with neon indicator)



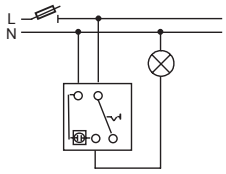
1gang 2way with 1gang intermediate and 1gang 2way



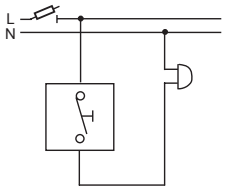
2gang 2way with 2gang 2way



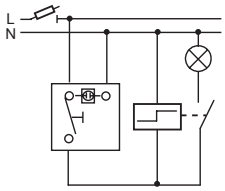
1gang 2way with 1gang 2way
(both with neon indicator)



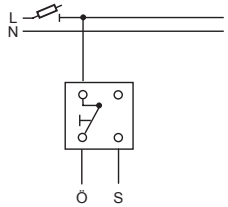
1gang 2way with
neon indicator



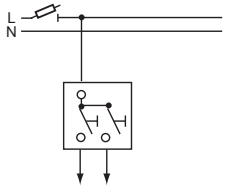
Push switch



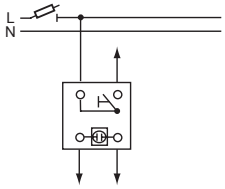
Push switch with relay
(with neon indicator)



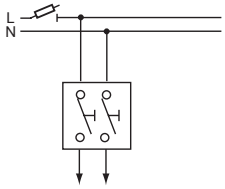
1gang 2way push switch, -206



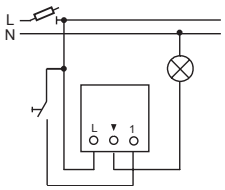
2gang 1way, -205



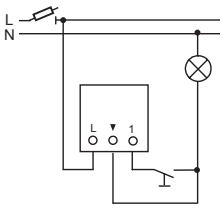
Push switch as normally open
contact, two independent
contacts , -201 (with neon
indicator)



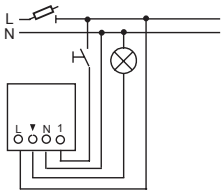
2gang 2way push switch
-205-101



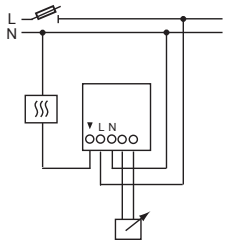
Busch-Comfort switch 6815 U with extension.
An extension is possible via L as well via N or the output..



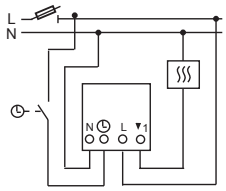
Busch-Comfort switch
6815 U as 1gang 2way
circuit (variant)



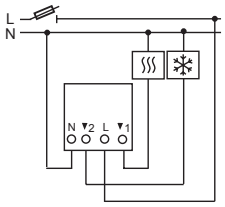
Busch-Comfort switch relay
insert with extensional push
switch (normaly open contact)



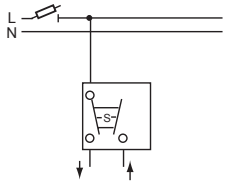
Room thermostat with remote sensor 1080 UF/1095 UF



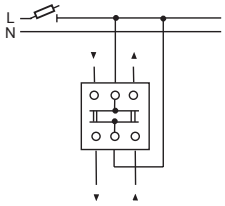
Room thermostat with break-contact 1094 U/..TA, 1095 U/..TA, 1096 U/..TA (in 24V~circuits)



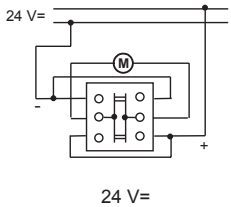
Room Thermostat wit change over contact 1997 U/..TA



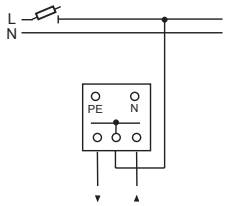
Blind push switch with inter-lock 2000/4 US, 2020/4 US



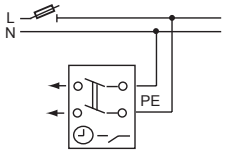
Blind switch/push switch DP, rotary knob or key 2712-...and 2722-...



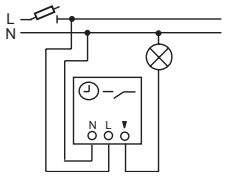
Control of d.c. drive via DP blind switch/push switch 2712 U/ 2722 U



Blind switch/push switch, 1P+N+PE, rotary knob or key, 2713-...and 2723

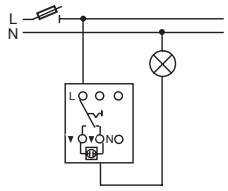


Time switch mechanism DP, break contact, 1070 U/1071 U

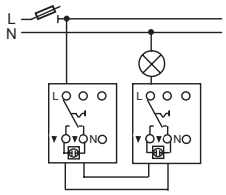


Busch-Short time timer insert 6465 U

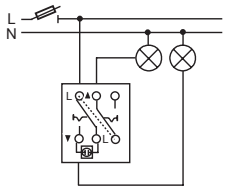
Flush-mounted range *impuls* push button/push switch Circuit diagrams



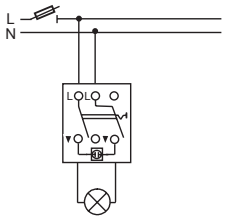
1gang 2way,
2001/6 U



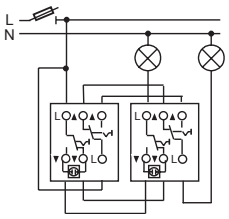
1gang 2way with 1gang 2way,
2001/6 U with 2001/6U



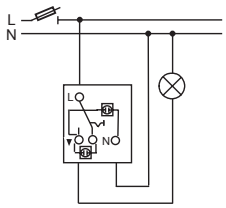
2gang 1way,
2001/5 U



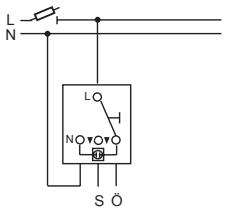
1gang 1way DP with neon indicator, 2001/2 UKGL-101



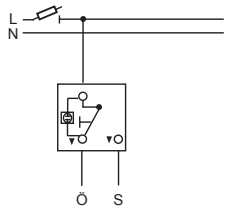
2gang 2way with 2gang 2way,
2001/6/6 U with 2001/6/6 U



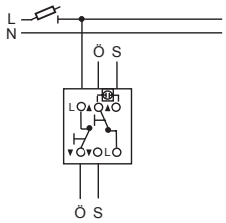
1gang 2way with neon indicator, 2001/6 UKGL-101



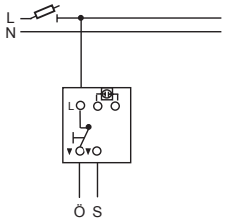
Push switch 1gang 2way with additional N-terminal,
2021/6 UK
2021/6 UNV (for 8-24V~)



Push switch 1gang 2way SP,
2021/6 U



Push switch 2gang 2way,
2021/6/6 U



Push switch 1gang 2way SP with two independent answering contacts, 2021/6 UNV-201

Power table for rocker switch 10 A - 250 V in conventional circuit

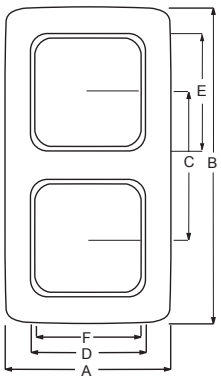
Number and type of lamps		power per lamp/type of circuits	
33	Incandescent lamps	60 W	or
22	Incandescent lamps	100 W	or
23	Fluorescent lamps	36/40 W	uncompensated or
15	Fluorescent lamps	58/65 W	uncompensatedt or
34	Fluorescent lamps	36/40 W	compensated or
22	Fluorescent lamps	58/65 W	compensated or
42	Fluorescent lamps	36/40 W	lead-lag circuit or
26	Fluorescent lamps	58/65 W	lead-lag-circuit

For fluorescent lamps with electronic ballast, please refer to datasheet of manufa

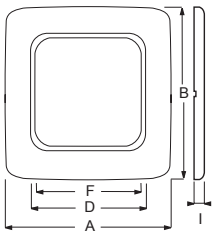
Flush-mounted range
Dimensional table
Dimensional drawings

Dimensions of cover frame

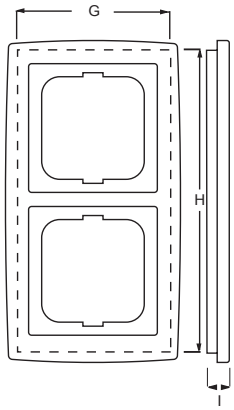
Typ		A	B	C	D	E	F	G	H	I	vertical	horizontal
Busch-Duro 2000® SI / SI Linear, Reflex SI / Reflex SI Linear												
2511	1-gang	81	81	–	55	55	51	–	–	11	–	–
2512	2-gang	81	152	71	55	55	51	–	–	11	x	x
2513	3-gang	81	223	71	55	55	51	–	–	11	x	x
2514	4-gang	81	294	71	55	55	51	–	–	11	x	x
2515	5-gang	81	365	71	55	55	51	–	–	11	x	x
future®/future® linear												
1721	1-gang	80	80	–	64	64	51	–	–	11	x	x
1722	2-gang	80	151	71	64	64	51	–	–	11	x	x
1723	3-gang	80	222	71	64	64	51	–	–	11	x	x
1724	4-gang	80	293	71	64	64	51	–	–	11	x	x
1725	5-gang	80	364	71	64	64	51	–	–	11	x	x
alpha bs®												
	1-gang	86	-	-	71	56	51	-	-	-	-	-
	2-gang	86	157	71	71	56	51	-	-	-	-	-
alpha nea®/ alpha exclusive®												
1721	1-gang	81	81	–	71	56	51	–	–	11	–	–
1722	2-gang	152	81	71	71	56	51	–	–	11	–	x
1723	3-gang	223	81	71	71	56	51	–	–	11	–	x
1724	4-gang	294	81	71	71	56	51	–	–	11	–	x
1725	5-gang	365	81	71	71	56	51	–	–	11	–	x
1732	2-gang	81	152	71	71	56	51	–	–	11	x	–
1733	3-gang	81	223	71	71	56	51	–	–	11	x	–
1734	4-gang	81	294	71	71	56	51	–	–	11	x	–
1735	5-gang	81	365	71	71	56	51	–	–	11	x	–
solo®												
1721	1-gang	87	87	–	64	64	51	80	80	11	x	x
1722	2-gang	87	157	71	64	64	51	80	151	11	x	x
1723	3-gang	87	228	71	64	64	51	80	222	11	x	x
1724	4-gang	87	299	71	64	64	51	80	293	11	x	x
1725	5-gang	87	370	71	64	64	51	80	364	11	x	x
Busch-*axcent*®												
1721	1-gang	91	91	_	64	64	51	86	85	11	x	x
1722	2-gang	91	162	71	64	64	51	86	156	11	x	x
1723	3-gang	91	233	71	64	64	51	86	227	11	x	x
1724	4-gang	91	304	71	64	64	51	86	298	11	x	x
1725	5-gang	91	375	71	64	64	51	86	369	11	x	x
impuls												
1721	1-gang	81	81	–	71	71	66	–	–	6	–	–
1722	2-gang	81	152	71	71	71	66	–	–	6	x	x
1723	3-gang	81	223	71	71	71	66	–	–	6	x	x
1724	4-gang	81	294	71	71	71	66	–	–	6	x	x
1725	5-gang	81	365	71	71	71	66	–	–	6	x	x
pure stainless steel												
1721	1-gang	80	80	–	64	64	51	–	–	11	x	x
1722	2-gang	80	151	71	64	64	51	–	–	11	x	x
1723	3-gang	80	222	71	64	64	51	–	–	11	x	x
1724	4-gang	80	293	71	64	64	51	–	–	11	x	x
1725	5-gang	80	364	71	64	64	51	–	–	11	x	x
carat®												
1721	1-gang	107	107	–	64	64	51	85	85	11	–	–
1722	2-gang	107	178	71	64	64	51	85	156	11	–	x
1723	3-gang	107	249	71	64	64	51	85	227	11	–	x
1724	4-gang	107	320	71	64	64	51	85	298	11	–	x
1732	2-gang	107	178	71	64	64	51	85	156	11	x	–
1733	3-gang	107	249	71	64	64	51	85	227	11	x	–
1734	4-gang	107	320	71	64	64	51	85	298	11	x	–
All Weather 44®												
2101	1-gang	91	91	–	71	71	61	–	–	14	–	–
2102	2-gang	91	162	71	71	71	61	–	–	14	–	–
2103	3-gang	91	233	71	71	71	61	–	–	14	–	–



Frame dimensions (see table)

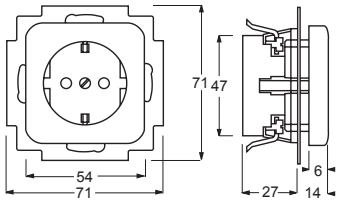


Frame dimensions (see table)

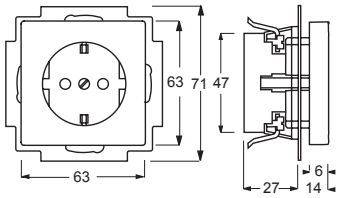


Frame dimensions solo®
(see table)

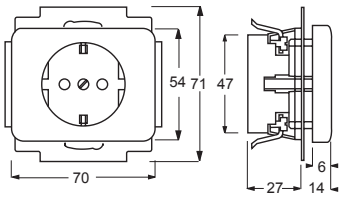
Braille symbol
self-adhesive (transparent)
for cover 2506-xxx
e.g. 2144 TR



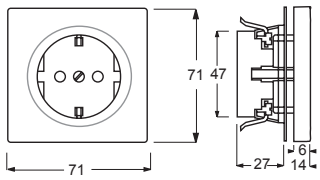
SI and Reflex SI SCHUKO® socket outlet 20 EUC-21x



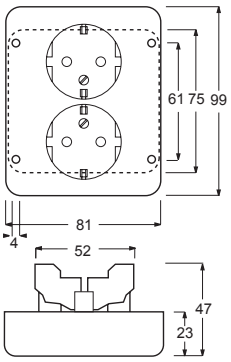
solo®/future®/future® linear, carat®,
pure stainless steel SCHUKO® socket outlet 20 EUC-..



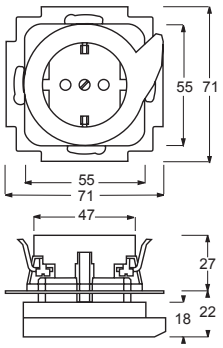
alpha nea® /*alpha exclusive®* SCHUKO® socket outlet 20 EUC-2x



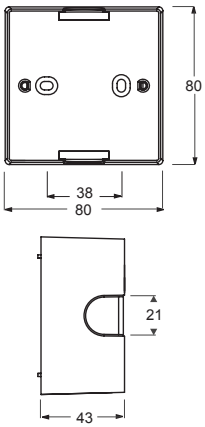
impuls SCHUKO® socket outlet 20 EUC-7x



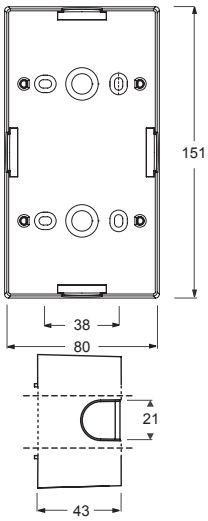
Busch-Duro 2000® SI 2gang/
socket outlet 20-02 EUJ-21x



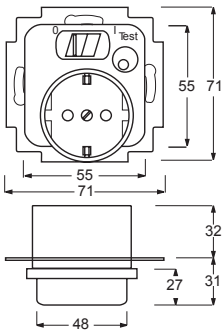
Busch-Duro 2000® SI and
Reflex SI Busch Service
socket outlet® 20 EUCDR-21x



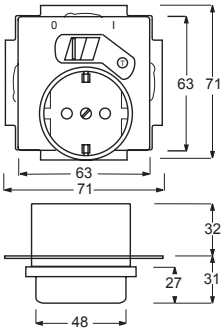
Surface mounting box 1gang
for solo®, future®, future®
linear



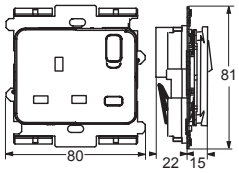
Surface mounting box 2gang
for solo®, future®, future®
linear



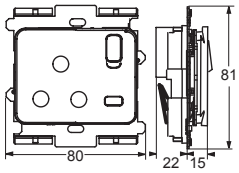
FI-SCHUKOMAT 3118 EUCKS-21x
and 3120 EUCKS-21x



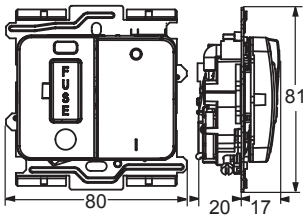
FI-SCHUKOMAT
3120 EUCKS-8x



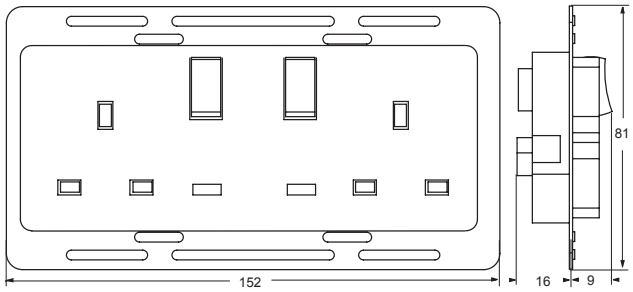
alpha bs® 13A switched
socket outlet, 1gang,
2190 EUCGL...



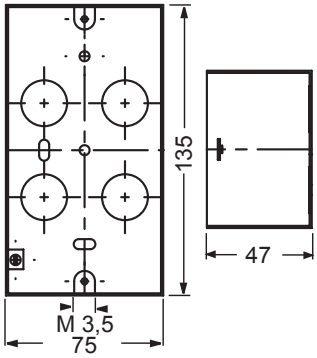
alpha bs® 15A switched
socket outlet, 1gang,
2190 EUCGL...



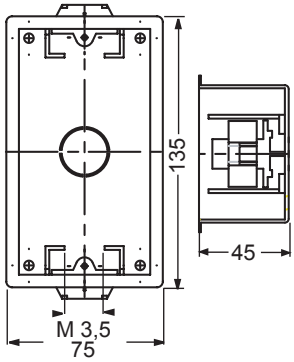
alpha bs® 13 A fuse connection unit, 1910/2 ...



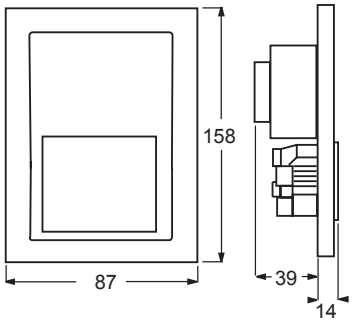
alpha bs® 13A Switched socket outlet, 2gang, 2190-02 EUCGL...



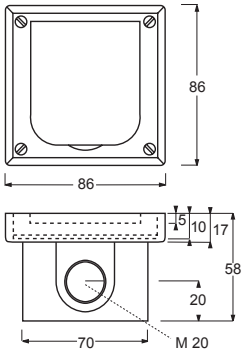
Flush mounting box, 3030



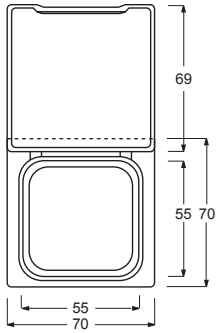
Flush mounting box metal, 3031



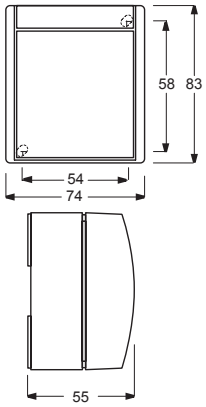
Shaver socket outlet, 2332 UJBS-8x



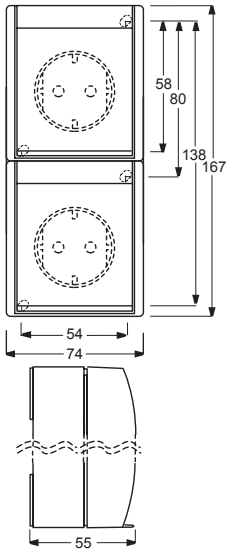
Flush-mounted SCHUKO® socket outlet for wall installation 20 EFDB2 and FM box 1705 U



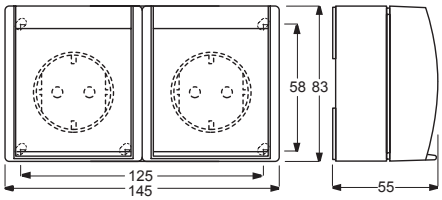
Intermediate ring for attaching SI, Reflex SI cover plates in the waterproof flush-mounted series All weather 44®, 2118GK-3.



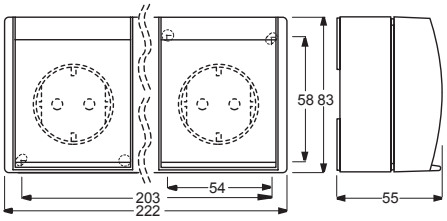
ocean® 1gang box with drilling dimensions



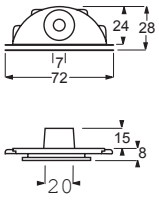
ocean® 2gang vertical box with drilling dimensions



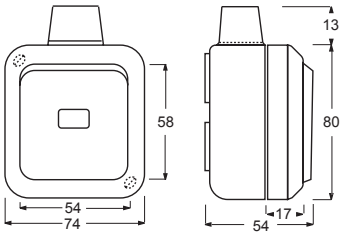
ocean® 2gang horizontal SCHUKO® socket outlets with drilling dimensions



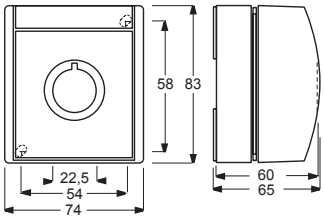
ocean® 3gang horizontal SCHUKO® socket outlets with drilling dimensions



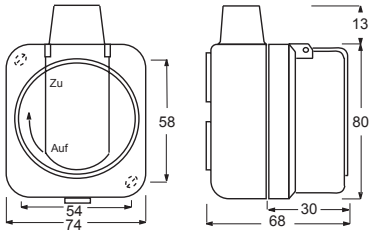
ocean® cable bushing 2139W-53



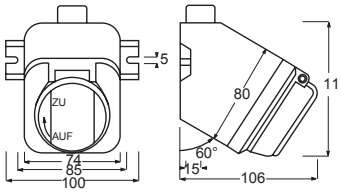
WD/WDI switch/push-switch



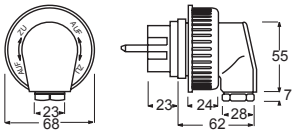
Empty box with labelling area 2533 WN-xx/ 2533 WN-15-xx



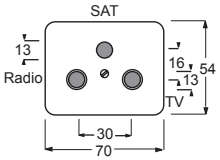
WD/WDI-SCHUKO® socket outlet 2300 EWD and 2300 EWDI



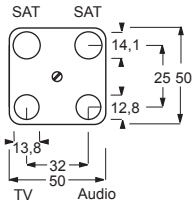
WD-SCHUKO® socket outlet 2300 EWDV



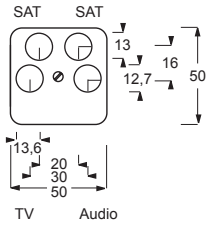
WD-SCHUKO® plug 74WD



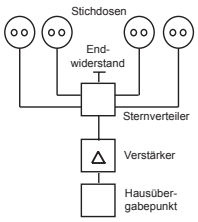
Cover plate with 3 connections for SAT / Audio /TV, 1743-03-…



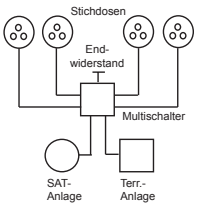
50 x 50 mm cover plate for 4gang antenna socket outlets from Hirschmann, 1743-04-21.



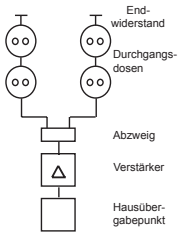
50 x 50 mm cover plate for 4gang antenna socket outlets from Ankaro, 1743/10-04-21.



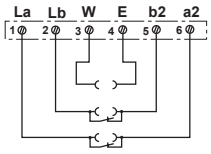
Dead-end feeder BK/terr., 0230-101



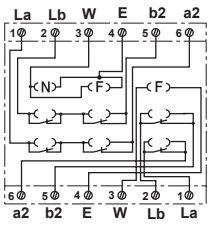
Dead-end feeder SAT/BK/terr. 0232-101



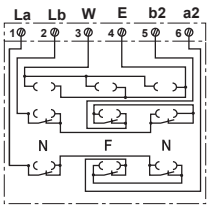
Loopthrough-type socket BK/terr. 0231-101



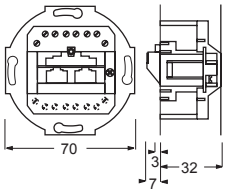
6F+N, for 1 telephone or 1 auxiliary device or 1 data transmission unit, 0241/…



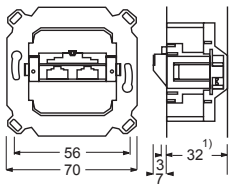
2x6/6 NFF, for 2 telephones and 1 auxiliary device or 1 data transmission unit, 0242/…



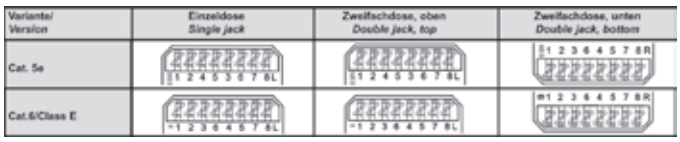
3x6 NFN, for 1 telephone and 2 auxiliary devices or 2 data transmission units, 0243/…



Universal data connecting unit socket, RJ 11/12, RJ 45, ISDN-compatible, 2 plug-in sockets 2x8-(8-) or 8/8-(8/8-)pole, 0214, 0215



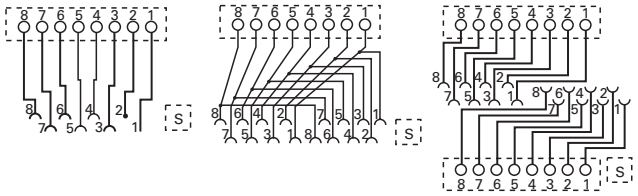
Universal data connecting unit connection socket, Cat. 5+/Cat. 6/ Class E shielded, RJ 45 LSA PLUS, 2 plug-in terminals 8/8-(8/8-)pole, 0217, 0218
1) different installation depth for 0218 = 38



UAE connection sockets 0216, 0217, 0218

Anschlussklemme/ Terminal	1	2	3	4	5	6	7	8
Farbcode nach EIA/TIA-568-A/ color code according to EIA /TIA-568-A	weiß/ grün	grün	weiß/ orange	blau	weiß/ blau	orange	weiß/ braun	braun
	white/ green	green	white/ orange	blue	white/ blue	orange	white/ brown	brown
Farbcode nach EIA/TIA-568-B/ color code according to EIA /TIA-568-B	weiß/ orange	orange	weiß/ grün	blau	weiß/ blau	grün	weiß/ braun	braun
	white/ orange	orange	white/ green	blue	white/ blue	green	white/ brown	brown

Universal data connection boxes 0216, 0217, 0218 colour code



Universal data connection units
0213 0214 0215

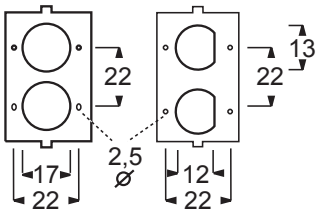
IAE/UAE 8 (6) -TAE 6 F+N
Assignments for upper connection strip(UAE)

Terminal		1	2	3	4	5	6
analogue	DTAG			b			a
	int. Norm				a	b	
digital	ISDN (S_0)			2a	1a	1b	2b
	U_{p0}				a	b	
DSL		TX+	TX-	RX+			RX-

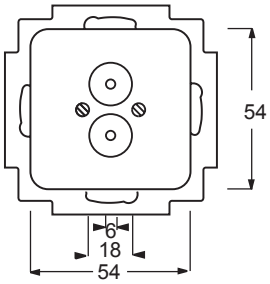
Assignments for lower connection strip (TAE)

Terminal		1	2	3	4	5	6
analogue	DTAG	La	Lb	W	E	b2	a2

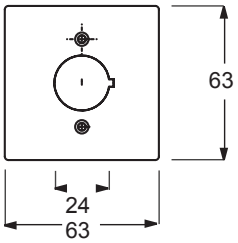
UAE/TAE connection box Universal data connecting unit
8(6)/TAE 6F+N



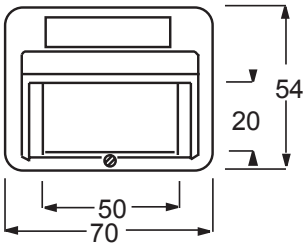
Socket dimensions of cover plates with retaining ring for
Left: Small sockets, 2530-… /1748-…
Right: BNC /TNC jacks, 2529-… /1750-…



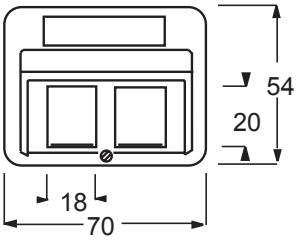
Cover plate with mounting plate for data communication connectors, 2530-212 or cover plate with mounting plate for BNC and TNC sockets, 2529-212.



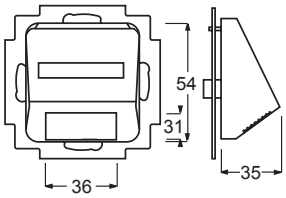
Cover plate for control units with a diameter of 22.5 mm
future®, future® linear, carat®



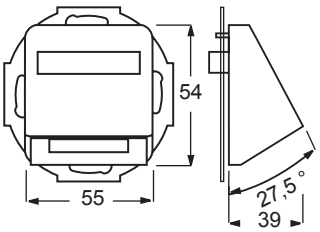
Cover plate with down-leading outlet for 2 modular jack inserts, RJ45, 1801-21, and required module rack 1801 EB-…, for IBM-ACS Cat. 5, OWG, Reichle & De Massari



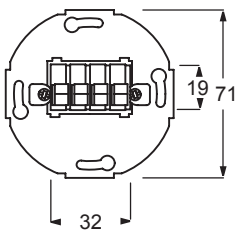
Cover plate with down-leading outlet for 2 modular jack inserts, RJ45, 1802-21, can be used only in conjunction with installation clips from IBM or Thomas & Betts.



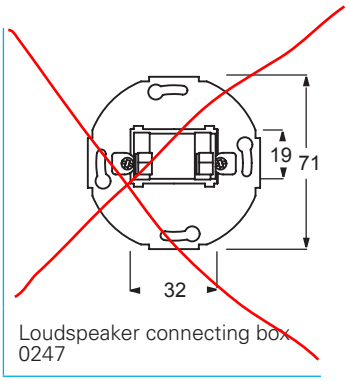
Cover plate with down-leading outlet for ACO inserts, 1769-21.



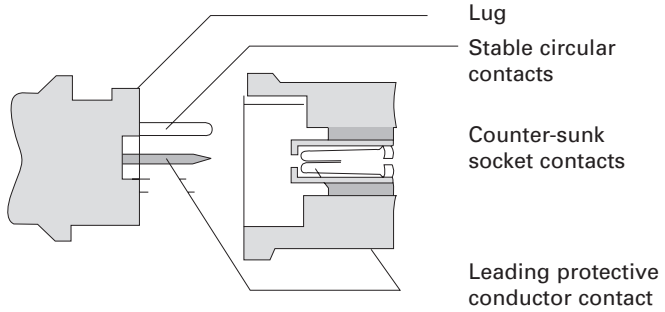
Cover plate for DCS system, can be equipped with corresponding base (1850 EB, etc.), for communication connectors, 1758-21.



Stereo loudsp connecting box 0248



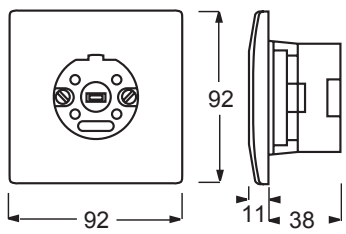
Loudspeaker connecting box 0247



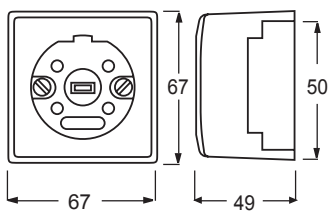
Perilex cross-section

Safety, because Busch-Perilex® provides absolute protection even when the connector is pulled. For all live contacts are designed as recessed socket contacts.
The protective conductor connection is always made first and released last. Incidentally: All contacts are also surface-protected.

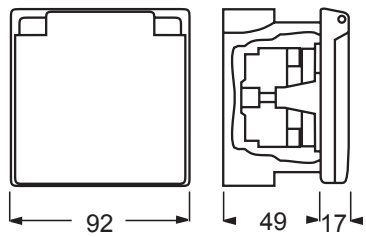
The central guide pin, which is also the protective conductor contact, is horizontal in the 16-A version and vertical in the 25-A devices. It is therefore not possible to insert a Busch-Perilex® connector in a socket with a different voltage.



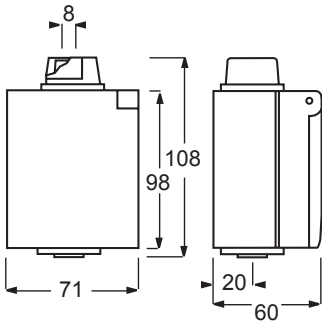
Busch-Perilex® FM socket outlet, 2064 SRW



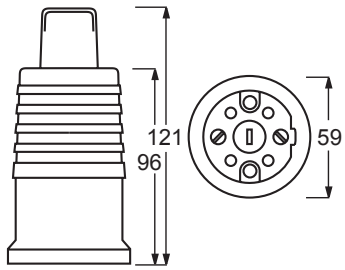
Busch-Perilex® SM socket outlet, 2064 JW



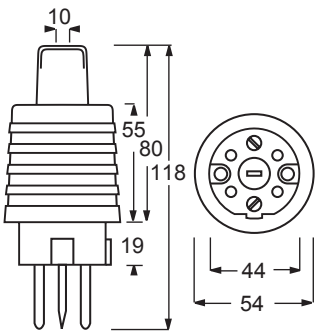
Busch-Perilex® FM socket outlet, 2064 UG (IP44)



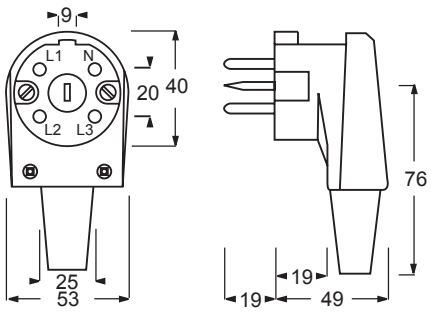
Busch-Perilex® socket outlet WG SM, 2064 AG (IP44)



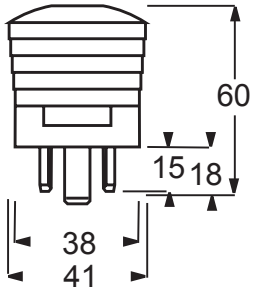
Busch-Perilex® coupling, 2364 KUW



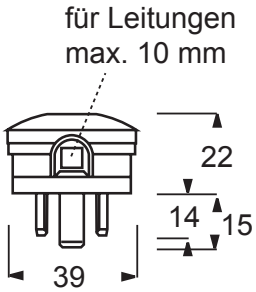
Busch-Perilex® plug, 2064 SPVC



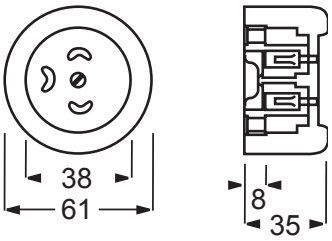
Busch-Perilex® angle plug, 2064 WLW



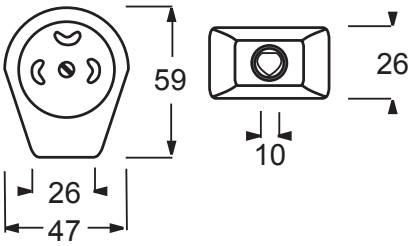
Busch-Terko® plug, 34 WJ



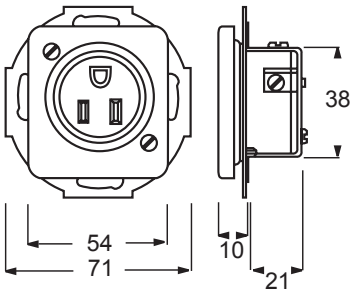
Busch-Terko® plug, 34 W-101



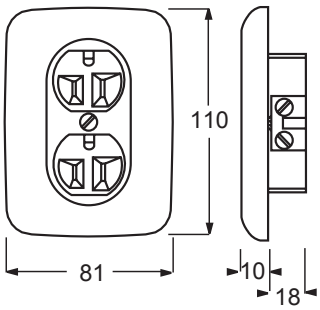
Busch-Terko® SM socket outlet, 2334 JW



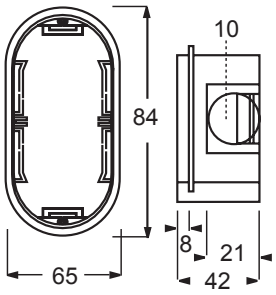
Busch-Terko® coupling, 2334 KUW



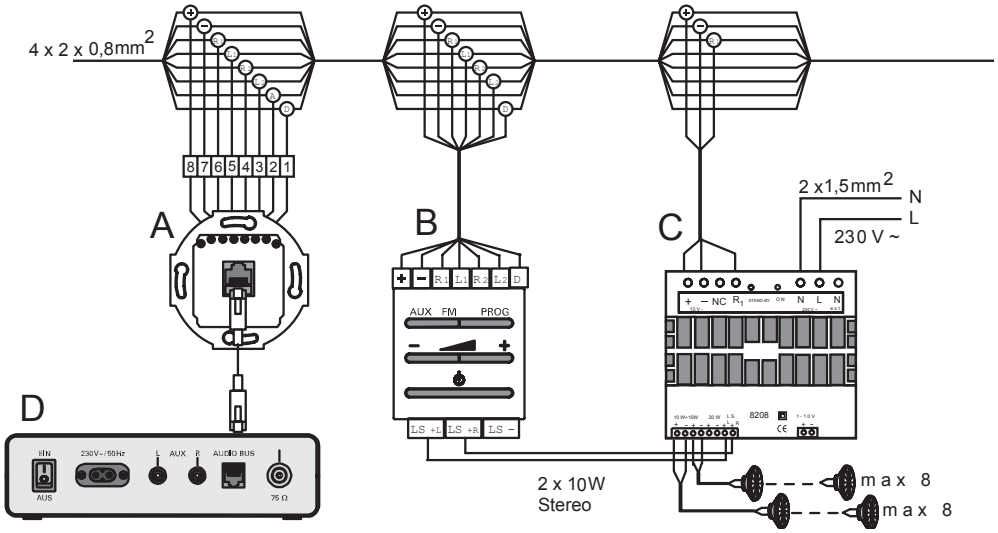
Busch-Nema combination socket outlet, 15 A
3015EUC-212



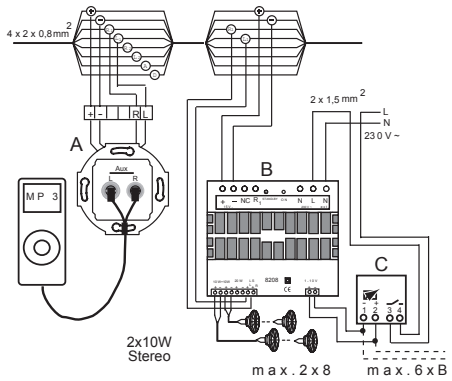
Busch-Nema double socket outlet
3015-02 EUJ-212



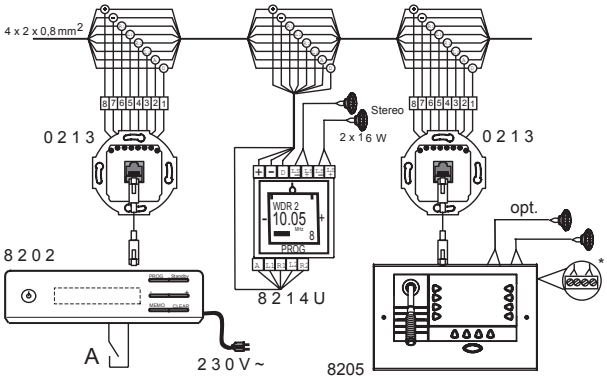
Special Wall Box, 3072
for Busch-Nema flush-mounted 2gang socket outlets



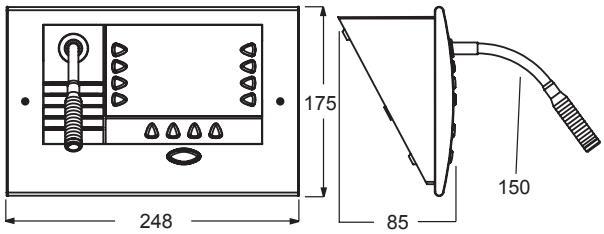
System diagram with base station D= 8201/8202; A=0213; ; B =8212U; C=8208



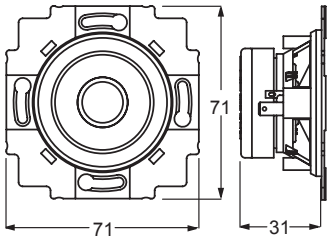
System diagram with external source; A=8210U; B=8208; C=Potentiometer 2112-xxx/6550-xxx



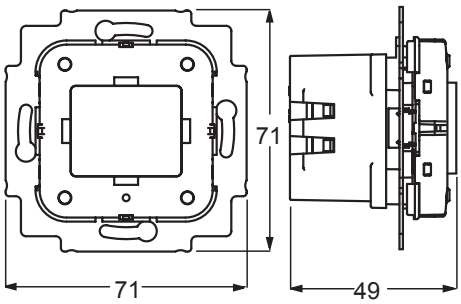
System diagram for selective call; A= potential free contact (NO contact)



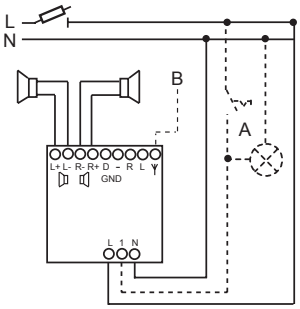
Busch-AudioWorld® microphone console 8205



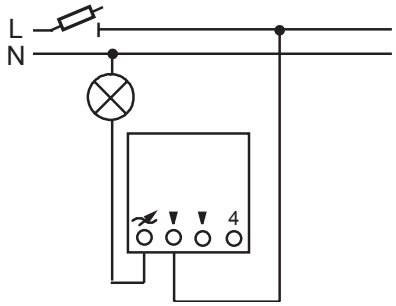
Busch-AudioWorld® speaker insert 8223U



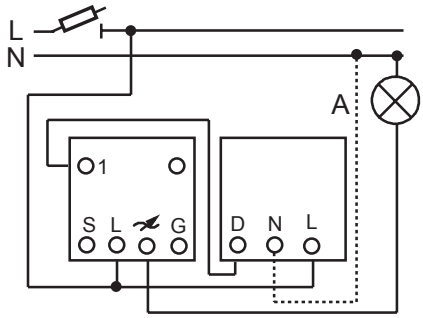
Busch-AudioWorld® FT Digital Radio 8215U



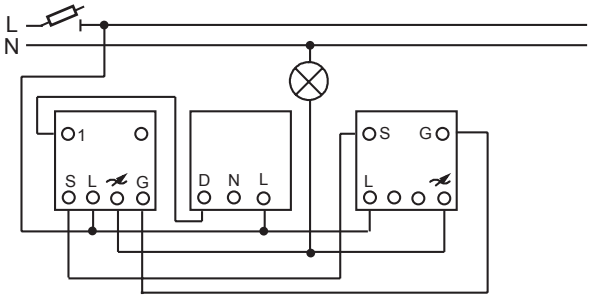
In MONO operation, the speaker can be connected to either the left or right connections A= optional; B= antenna



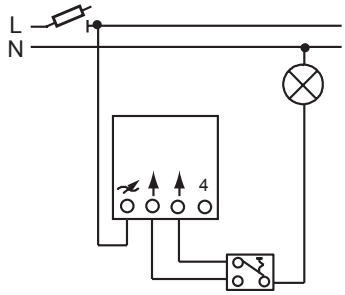
Dimmer 2247/2250/6513/6519/6520 U



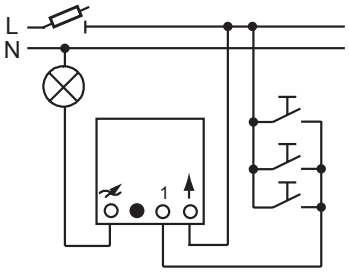
Busch-Universal rotary dimmer 6591 U-101 with rotary extension 6592 U; A= required for lit extension



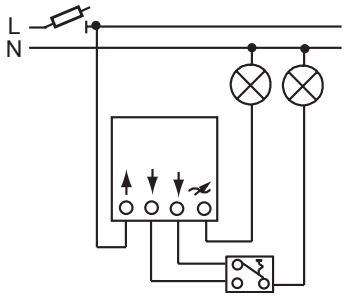
Busch-Universal master dimmer 6591U-101 with extension 6592 U and capacity booster 6594 U



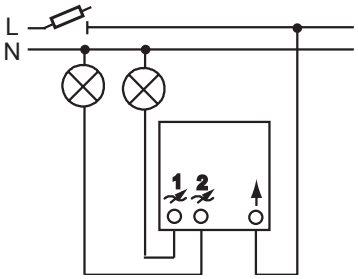
Dimmer with 1gang 2way switch



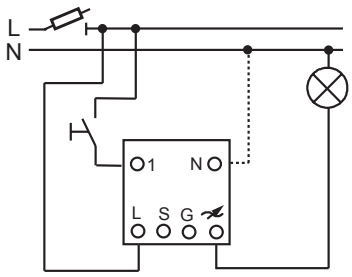
Busch-Memory touch dimmer 6560-...; direct operation via parallel-connected conventional push switches (e.g. 2020 US)



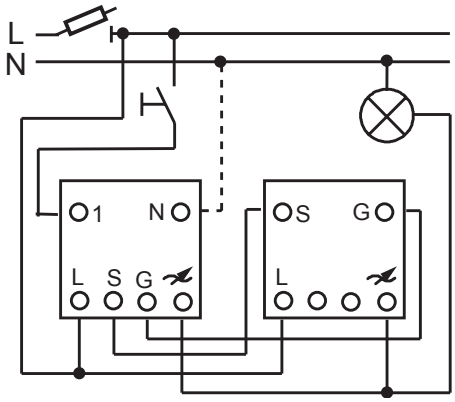
Switch dimmer 6517 U-101 with 1gang 2way switch



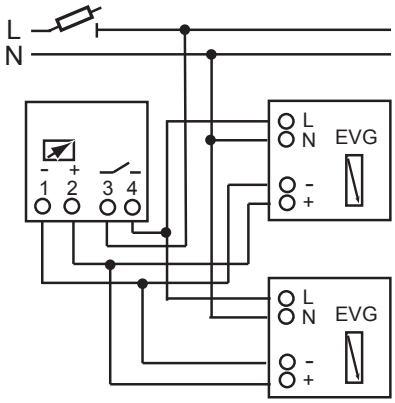
Busch-Memory 2-gang dimmer, 6565 U



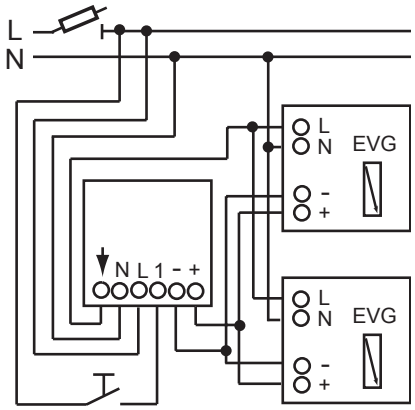
Busch-Universal master dimmer 6593 U; N-connection optional to compensate noises of electronic transformers



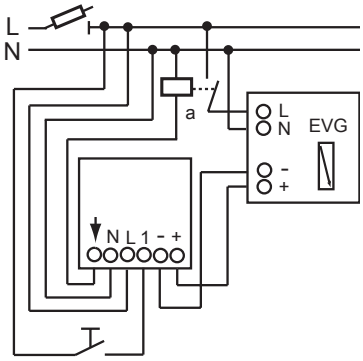
Busch-Universal master dimmer 6593 U (left)with capacity booster 6594 U; N-connection optional to compensate noises of electronic transformers



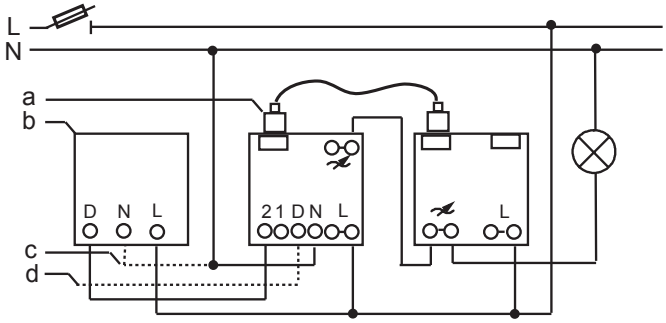
Electronic potentiometer 2112 U-101 to control electric ballasts (EVG)



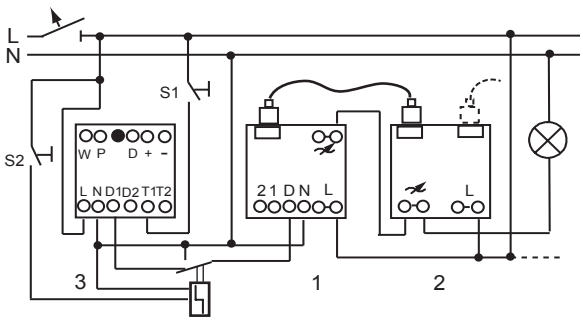
Busch-Memory touch-type controller 6550-… for controlling electric ballasts (EVG) units



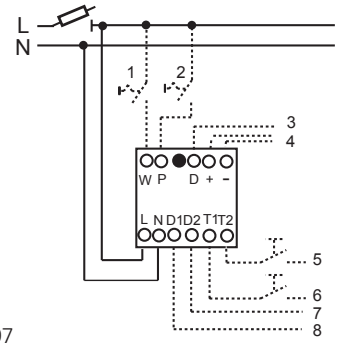
Operation of several electronic ballasts via one 6550 possible, relay (a) used for contact amplification (not included in delivery)



Busch-Universal master dimmer 6583 (middle) with busch Universal Central Module 6584 (right), remote controlled via capacity booster 6592 U (left)

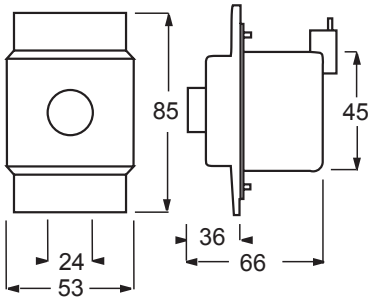


Light control system with Busch-Universal master dimmer 6583 (1) and capacity booster 6584 (2) operated via control unit 6697 (3).
Push switch S1 for dim and switch operation.
Push switch S2 for Master ON/OFF (ON with last dim level)
External relay must be used to the data line (D1-D) having to be kept as short as possible.

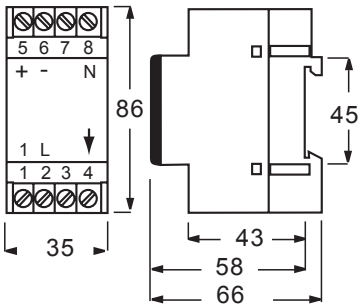


1- group/individual control
2- cleaning light
3- synchronisation with max. 6 x 6597
4- input 0-10 V or 0-20mA or light sensor 6598
5- external push switch for channel 2
6- external push switch for channel 1
7- parallel control of max 9 combination of 6583/6584 (channel 2)
8- parallel control of max 9 combination of 6583/6584 (channel 1)

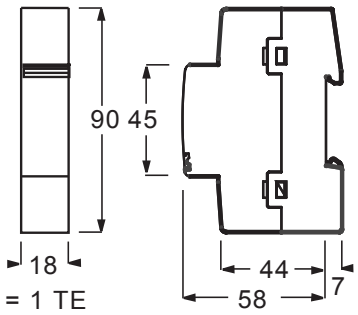
Possible configurations of control unit 6597



MDRC dimmers 2247-…. 2250KB…, 6513-102, 2112-101

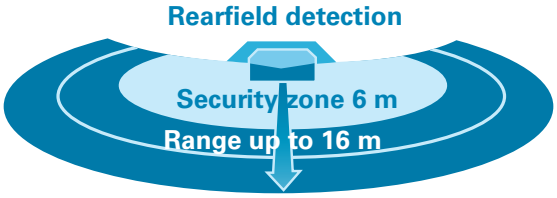


Busch-Memory touch-type controller 6550 (with terminal assignment)

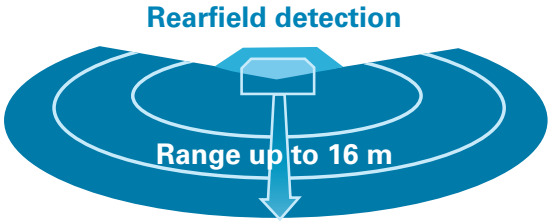


MDRC devices, measurements
1TE = 18 mm; 2TE = 36 mm; 4TE = 72 mm, 6TE = 108 mm;
8TE = 144 mm; 12TE = 216 mm

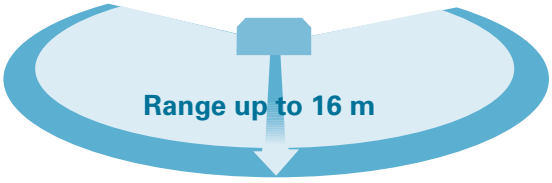
Busch-Watchdog
Detection zones



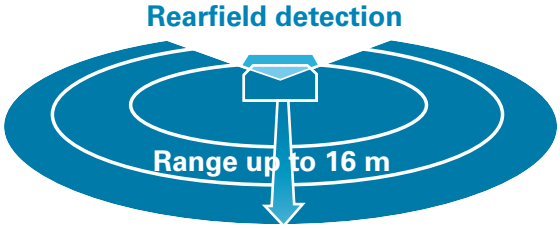
Busch-Watchdog 220 AlarmLINE



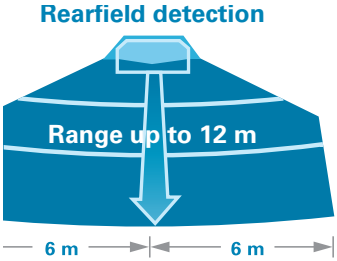
Busch-Watchdog 220 ProfessionalLINE



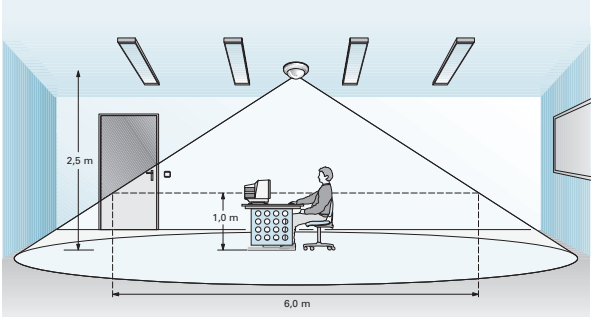
Busch-Watchdog 220 SelectLINE



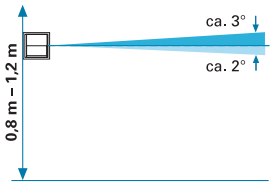
Busch-Watchdog 280 ProfessionalLINE



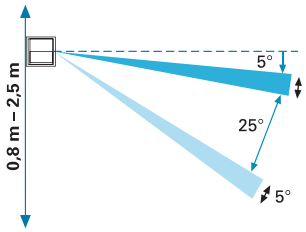
Busch-Watchdog 90 ProfessionalLINE



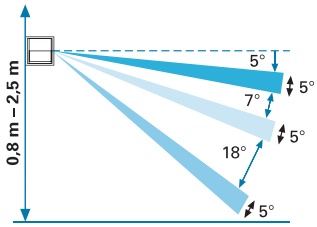
Detection zones Busch-Watchdog Presence tech/ ….DualLINE



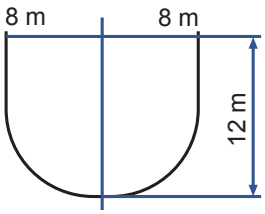
Detection zones select lens



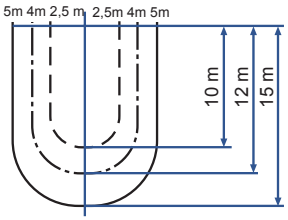
Detection zones multi-lens



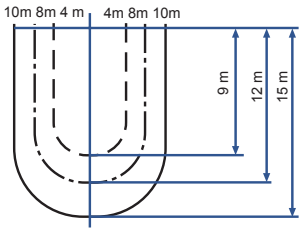
Detection zones combi-lens



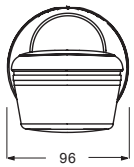
Detection zone select lens mounting height
0,8-1,2m



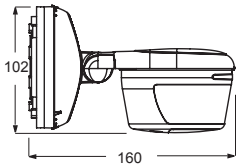
Detection zone multi-lens mounting height
1,2 m = ------ ; 2,0 m = -.-.- ;2,5 m = ____



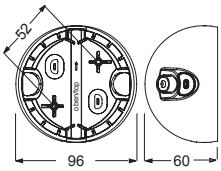
Detection zone combi-lens mounting height
1,2 m = ------ ; 2,0 m = -.-.- ; 2,5 m = _____



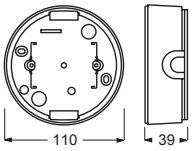
Busch-Watchdog 90/220/280 ProfessionalLINE
Busch-Watchdog 220 Alarm-LINE
Busch-Watchdog 220 Select-LINE
Busch-Watchdog WAVELINE 220
Busch-Watchdog 220 KNX ProfessionalLine



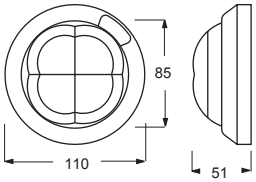
Busch-Watchdog 90/220/280 ProfessionalLINE
Busch-Watchdog 220 Alarm-LINE
Busch-Watchdog 220 Select-LINE
Busch-Watchdog WAVELINE 220
Busch-Watchdog 220 KNX ProfessionalLine



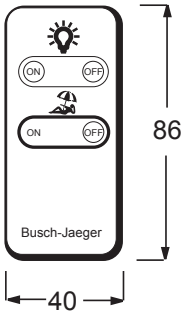
Corner adapter for Busch-Watchdog ProfessionalLINE, SelectLINE and AlarmLINE



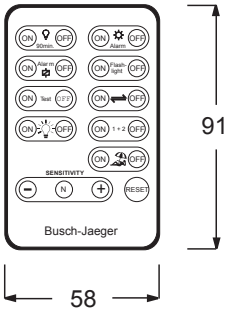
Surface-mounting box 6885 for Busch-Watchdog Presence tech 6813-...; 6813/11-...;6131-...



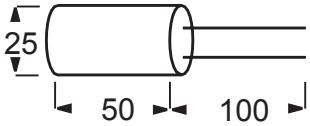
Busch-Watchdog Presence tech
Busch-Watchdog Presence tech DualLINE
Busch-Watchdog Presence KNX



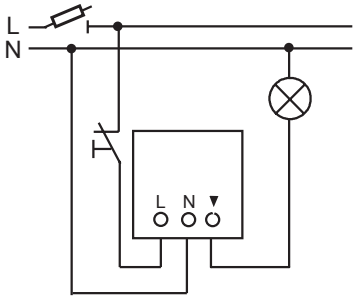
IR remote control 6841



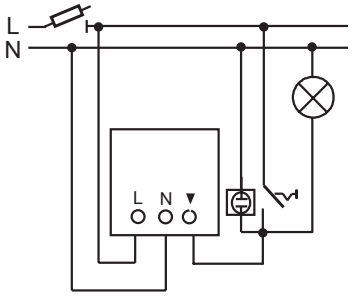
IR service remote control 6842



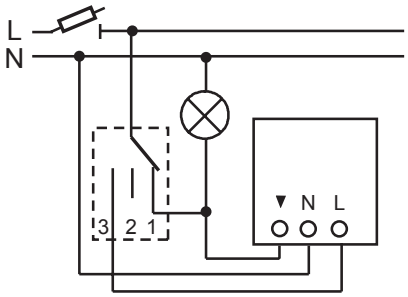
RC suppressor 6899



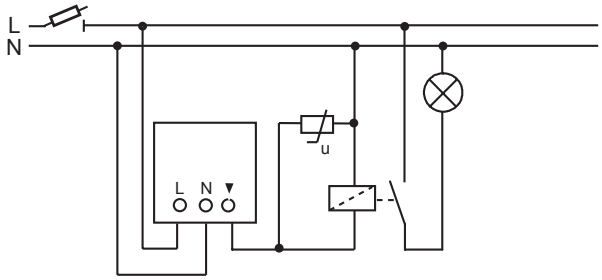
Busch-Watchdog (surface mounted) with external push-switch (break contact). When the power to the Busch-Watchdog is briefly interrupted by push switch, the light is on according to adjusted switch-off delay.



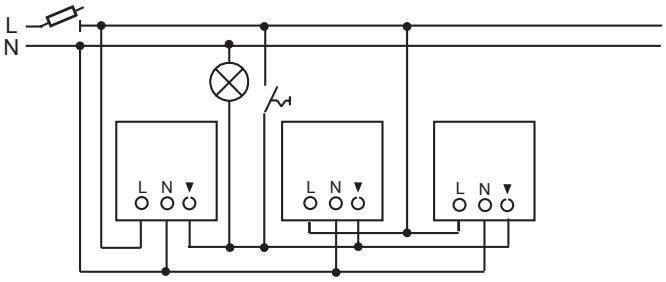
Busch-Watchdog with 1gang 1way swich (here with neon-indicator) for PERMANENTLY ON operation



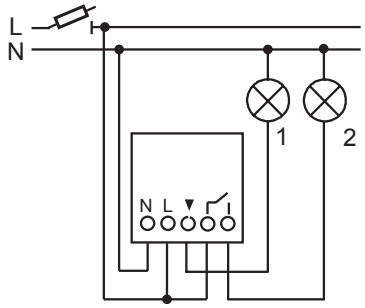
Example for an outdoor illumination via Busch-Watchdog with Three-step rotary switch 2710/1 U:
1- Permanent on
2- Permanent off
3- Automatic on/off



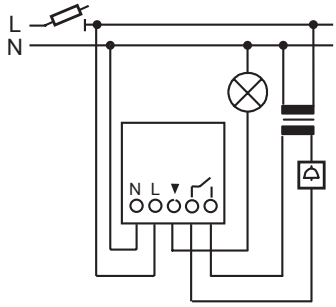
Connection with an external relay/contactor and RC suppressor



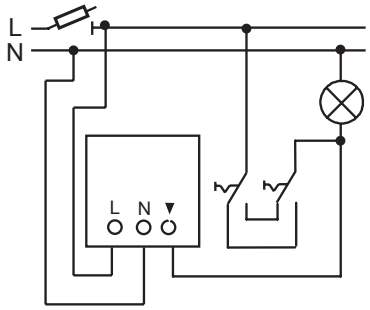
Parallel operation of several Busch-Watchdog SM



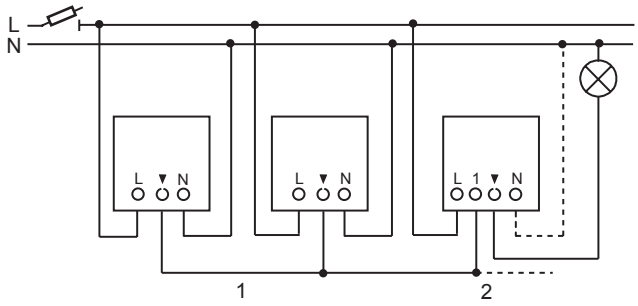
Busch-Watchdog AlarmLINE with two switching outputs



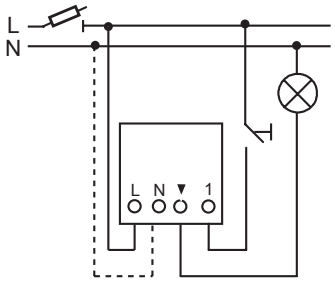
Busch-Watchdog AlarmLINE controls illumination and low-voltage devices



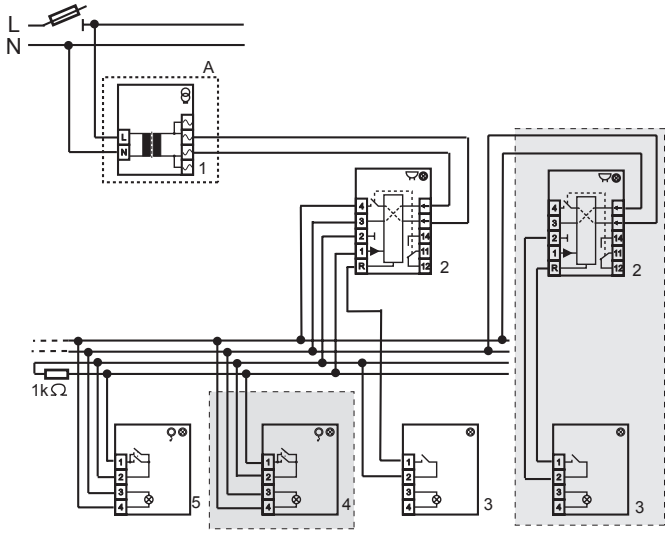
Integration of a Busch-Watchdog into an existing 1gang 2way- 1gang 2way circuit



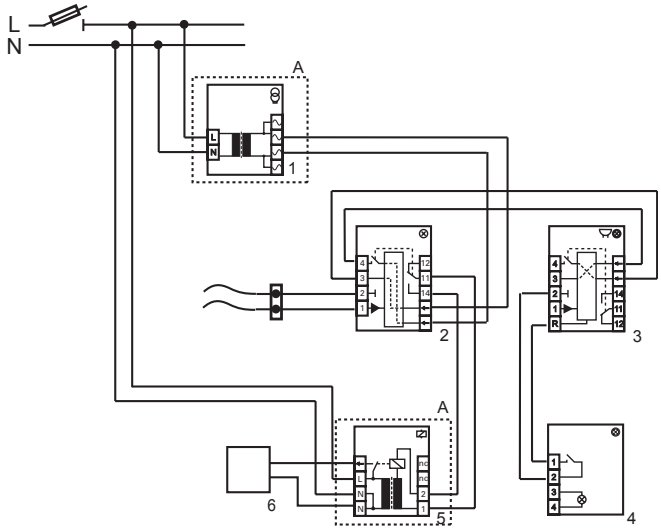
Expansion of the detection range using several extensions (1) 6805 U in combination with a central unit (2) 6401 U-102 (N-connection required), 6804U-101, or 6593 U



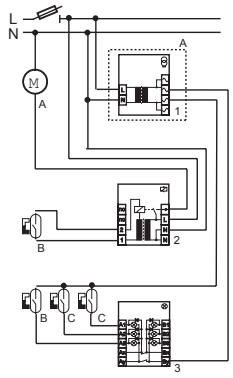
Controling of Busch-Watchdog 180 UP with inserts 6401 U-102, 6804 U-101 or 6593 U via push switch (normally open contact). When the push switch is operated the Watchdog is switching the light on for the specified switch-off delay time (e.g. staircase function).For insert 6401 U-102 a neutral conductor is needed.



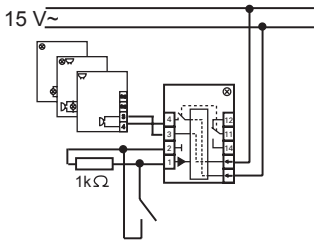
Intercom system for disabled toilet as set 1510 UC-xxx (1x1, 2, 3 and 5 each), optional expansion with additional call buttons (4) and a monitoring unit (2+3)
A = Separate built-in socket outlet



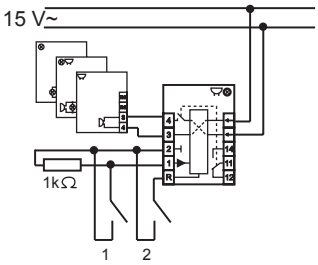
Moisture/leakage indicator (2) with remote signalling (3+4) and control of a 230 V~ load (6), e.g. solenoid valve (open when de-energised)
1 = Power pack insert 1518 U; 2 = Moisture alarm insert 1531 U; 3 = Alarm indicator insert 1515 U-12; 4 = Signal deactivation push-switch insert 1520/1 UK; 5 = Relay insert 1539 U; A = Separate built-in device socket outlet



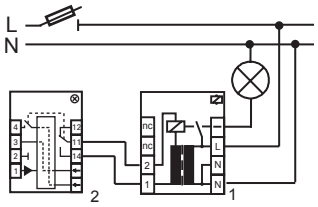
Status-dependent switching, e.g. vapour extractor control (A) as per fire protection regulations or window (B)/door monitoring (C).
Note: Use magnetic contacts with „Window open - contact closed“ action
1 = Power pack insert 1518 U;
2 = Relay insert 1539 U;
3 = Monitoring display insert 1566 U;
A = Separate built-in device socket outlet



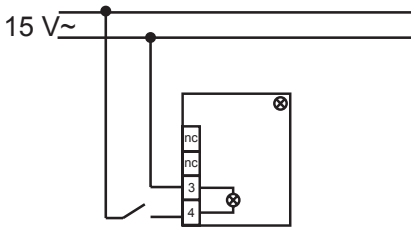
Monitoring insert, 1511 U. Closing the contact triggers 1511 U. The operating voltage 15V~ is switched through to 3+4; floating 1gang 2way contact element 11-12-14 switches. (Reset only possible through integrated reset push-switch on device.)



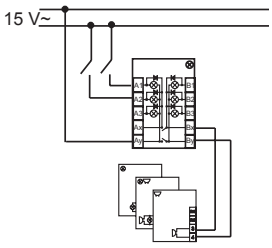
Alarm control insert, 1511 U



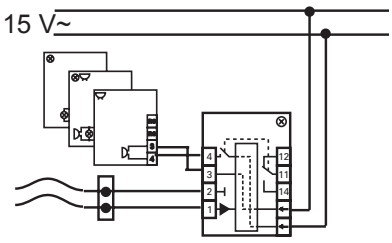
Relay insert 1539 U. Switches from 230V~ consumers via bridges of the contacts (1/2)* on the relay insert (1)
*e.g. via the floating changeover contact 11-12-14 on the moisture alarm insert (2)



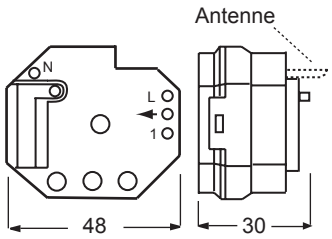
Light signal insert, 1564 UC-1x



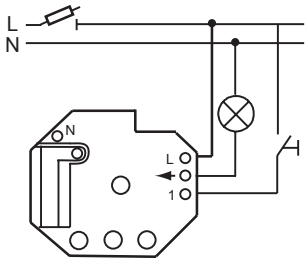
Monitoring display insert 1566 U with group signal indication



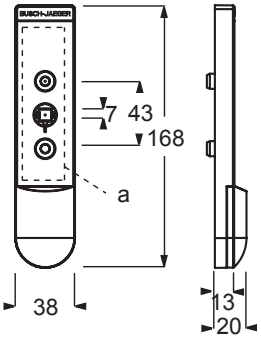
Busch-Leckage guard alarm insert, 1531 U



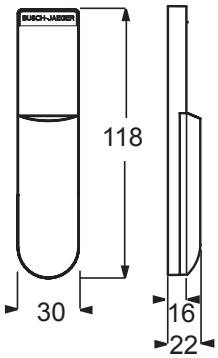
WaveLINE built-in receiver 6701



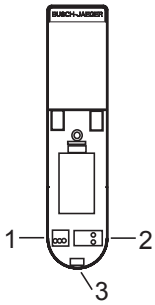
Built-in WaveLINE 6701 receiver with push-switch activation; pressing the push-switch longer deactivates the radio receiver; renewed activation by briefly pressing the push-switch



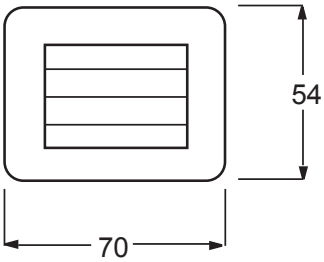
WaveLINE window position sensor 6720
a) Max. window handle mounting plate height = 77 mm



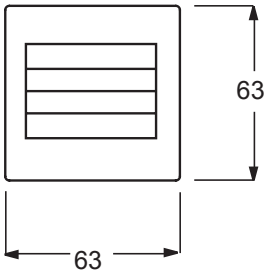
Universal signalling unit WaveLINE 6721-6x



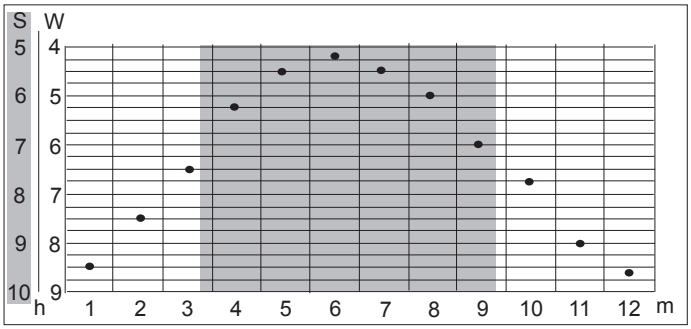
Universal signalling device WaveLINE 6721, guide potential-free contacts through 3 and connect to 2, 1 = channel switching



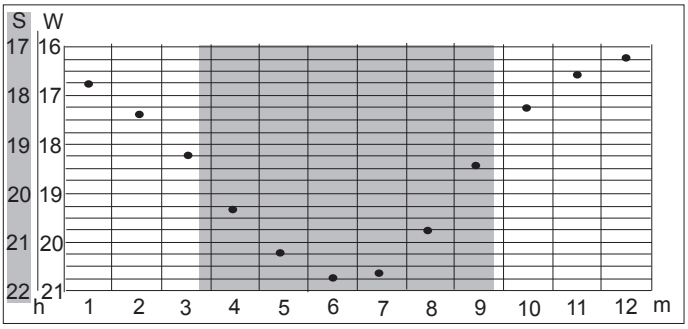
LED display 6730-2x



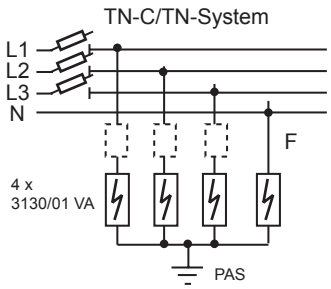
LED display 6730-8x



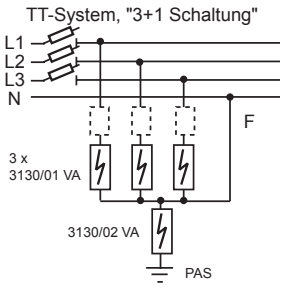
Astro programm in the morning
w= winter s= summer
Timer 6455/6556



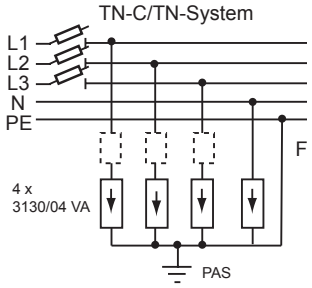
Astro programm in the evening
w= winter s= summer
Timer 6455/6556



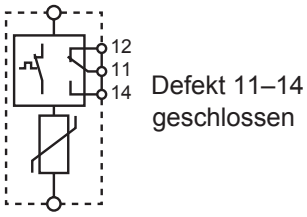
MDRC lightning conductor 3130/01 VA



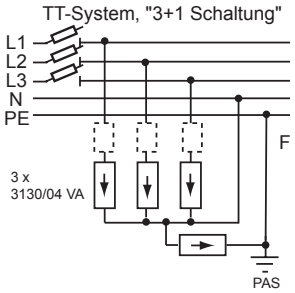
MDRC lightning conductor 3130/01 VA and 3130/02 VA in 3+1 conncetion



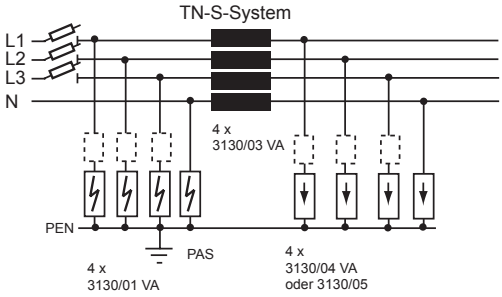
Surge arrester (C-conductor) 3130/04 VA, 3130/05 VA and 3130/06 VA



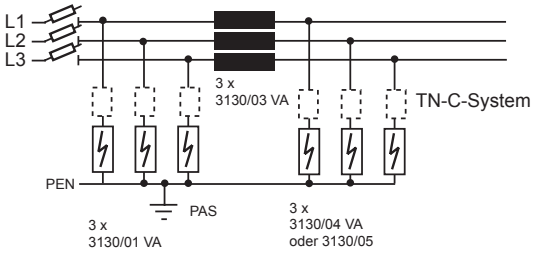
Surge arrester with remote signal 3130/05 VA defect 11-14 connected



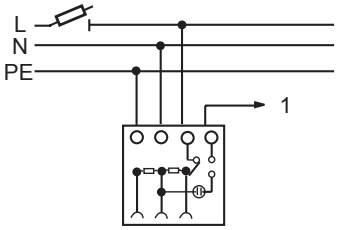
Lightning current arrestor with remote turn off 3130/05 VA



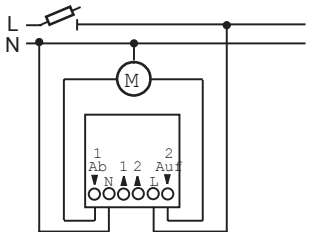
Overvoltage protecting decoupler 3130/03 VA



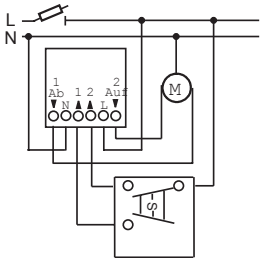
Overvoltage protecting decoupler 3130/03 VA



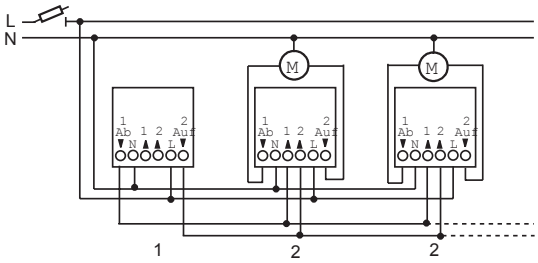
SCHUKO® socket outlet insert with overvoltage protection 2310 EUGL/VA-...



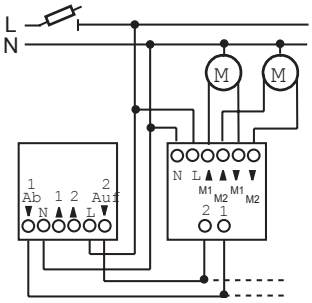
Individual control insert of a blind motor with a Busch-Blind control 6411 U(U/S)-101



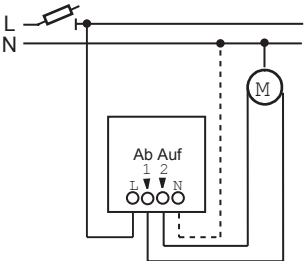
Controling of blind motor via Busch-Blind control insert 6411 U-101 and convential blind switch as extension



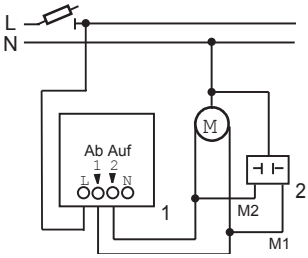
Busch-Blind control insert 6411 U-101 as master (1) and individual blind controller(2)



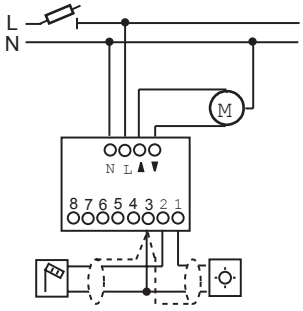
Busch-Blind control insert 6411 U-101 with cut-off relay 6415 for parallel control of two drives. If required several 6415 can be used in parallel. Operation can take place via any signal transmitter for blind control systems with 230V~ contacts.



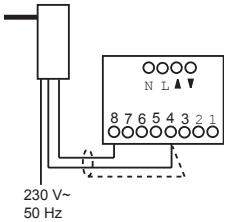
Basic blind insert 6418 U suitable without neutral conductor but recommended.



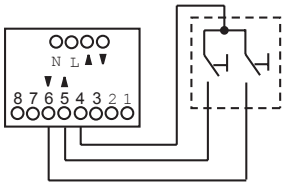
Basic blind insert 6418 U (1) with capacitor set 6498 (2). The capacitor set is used for the power supply of 6418 U if the device cannot receive sufficient power via the motor and no neutral conductor can be connected.



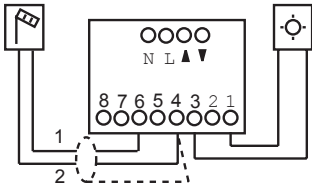
Busch-Wind and sun sensor insert 6480 U-102 in conjunction with sun sensor 6482 and wind sensor 6481-102



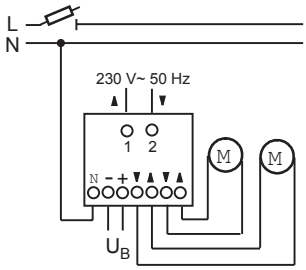
Connection of an additional rain sensor (third-party manufacturer) to the Busch-Wind and sun sensor insert 6480 U-102
It is possible that the rain sensor is not connected to 230 V~, but rather with low voltage.



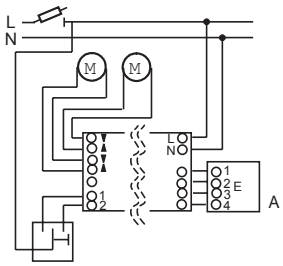
Connection of an external push-switch (e.g. 2020/4 US) to the Busch-Wind and sun sensor insert 6480 U-102.



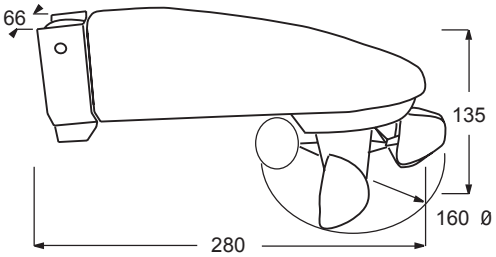
Connection of an additional sun sensor 6482 to the Busch-Wind and sun sensor insert 6480 U-102.
Attention: Only either a push-switch or a second sun sensor insert 6482 can be connected.
1 = red; 2= white



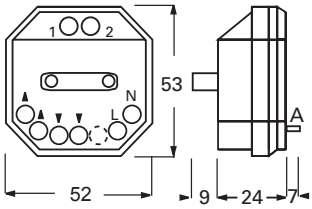
Cut-off relay 6415/24 for external 24V DC operation via +/- terminals.
Operation can take place via any signal transmitter for blind control systems with 230V~ contacts.



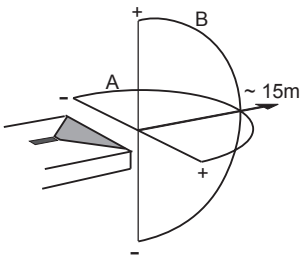
Busch-Blind control built-in unit 2 gang, 6420 EB for joint switching of 2 blind drives via blind switch e.g. 2020/4 US. Additional IR remote control via IR flying receiver 6045 E-101 possible (A)



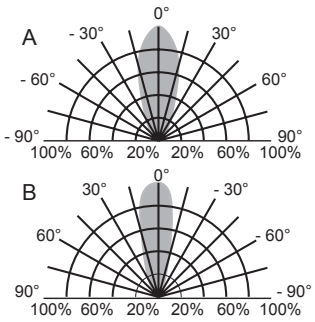
Wind sensor 6481-102



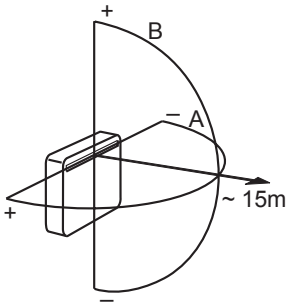
Busch-Blind control II cut-off relay 6415 and 6415/24



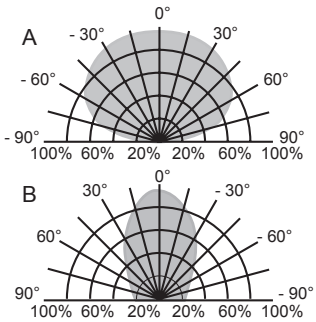
Transmission range of remote control 6010-25 (100% = 15 m)



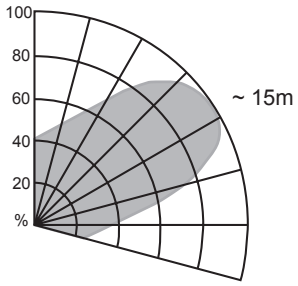
Horizontal/vertical transmission range of remote control 6010-25



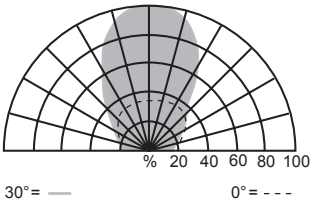
Transmission range of wall-mounted transmitters 6020-… and 6021-… (100% = 15 m)



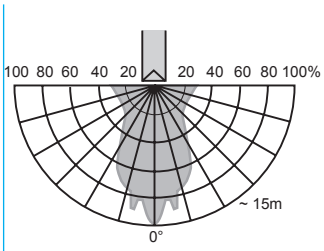
Horizontal/vertical transmission range of wall-mounted transmitters 6020-... and 6021-...



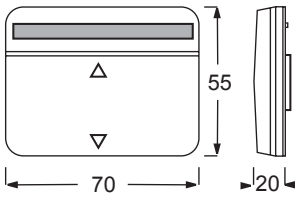
Reception range of flush-mounted receivers and socket receivers (100 % = 15 m)



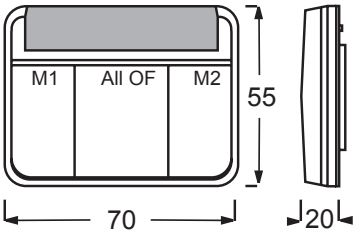
Horizontal detection of the flush-mounted and socket outlet receivers



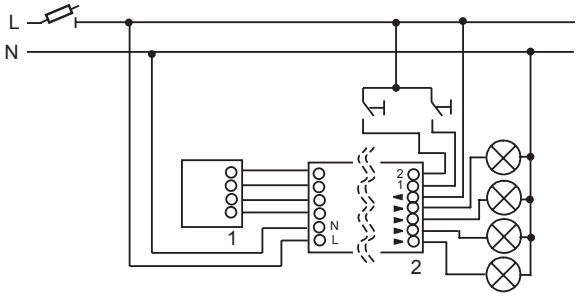
Reception range of built-in receiver 6045 E-101 (100 % = 15m)



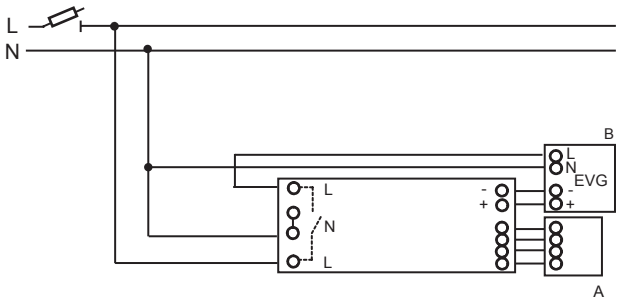
IR flush-mounted control element 6066-... and 6067-…



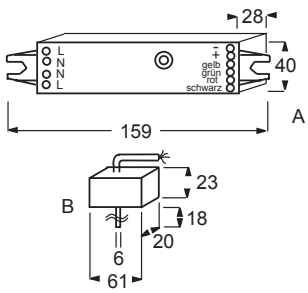
IR wall-mounted transmitters 6020-… and 6021-…



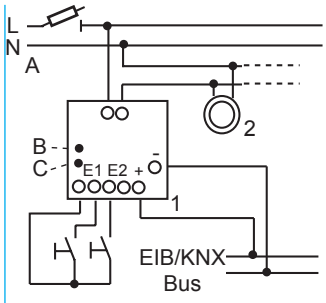
Built-in operation unit 6056 EB (2) 4gang with IR flying receiver 6045 E-101 (1)



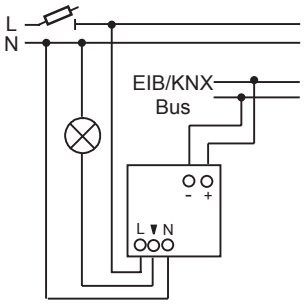
IR dimmer 1-10VDC 6045-500 for luminaries with inaugurated IR flying receiver (A) (included in delivery)
B - electronic ballasts



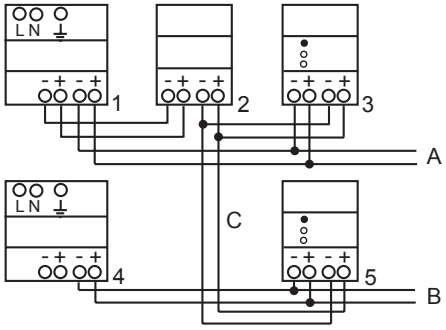
IR dimmer for luminaries 6045 (A) and IR receiver 6045 E-101 (B)



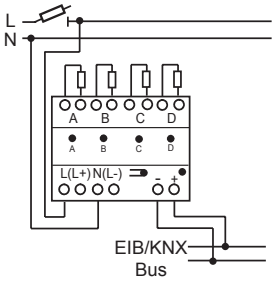
Heating actuator 6164 U (1)
up to 5 electrothermal valve drive 6164/xx-101 (2)
A= Either 230 V~ or 24 V AC
B= Programming LED
C= Programming key



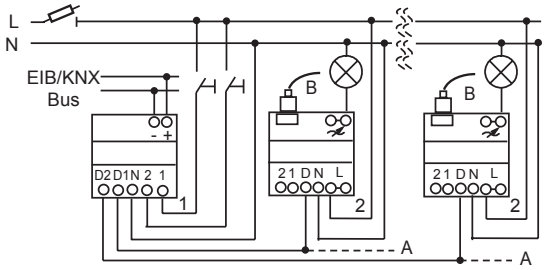
Flush-mounted switch actuator 6110 U-10x



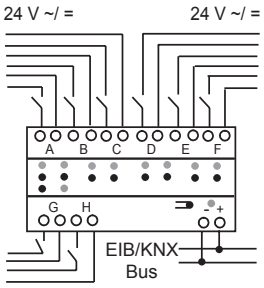
Installation of two KNX lines (A, B) with power supply (1,4), choke (2), and line coupler (3,5). The lines are connected via the main line (C); the current supply is via the choke (2).



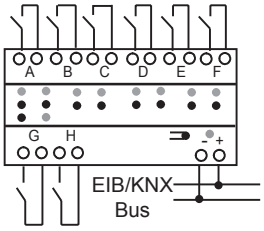
Heating actuator MDRC, 4gang, ES/S4.1.1



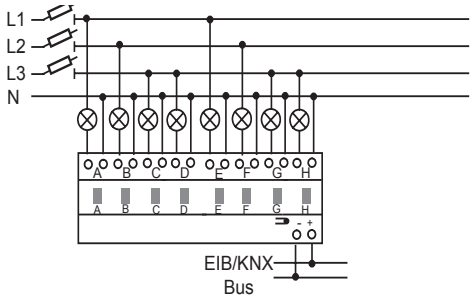
Control unit 6197/11-10x (1) MDRC, 2gang is operating two Busch-Universal master dimmers 6583 (2). Each channel (D1, D2) can be expanded by 7 other dimmer combinations (va A). Each master dimmer can be expanded by up to 6 capacity boosters (via B).



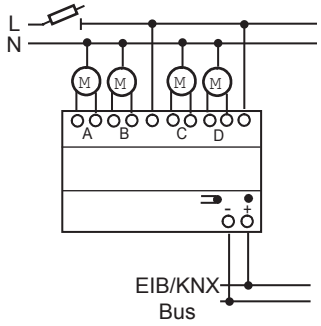
Binary input 8gang
BE/S8.24.1 fig.
Binary input 4gang BE/S4.24.1



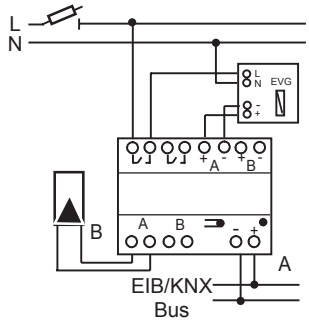
Binary input 8gang
BE/S8-types fig.
Binary input 4gang
BE/S4-types



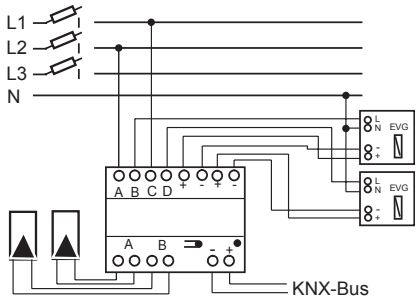
Binary outputs 2/4/8/12gang SA/S.., SA/S..



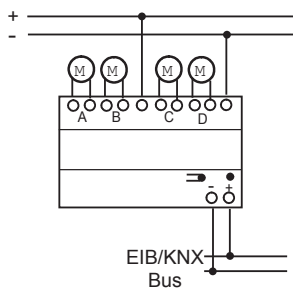
Blind actuator 4gang JA/S-types



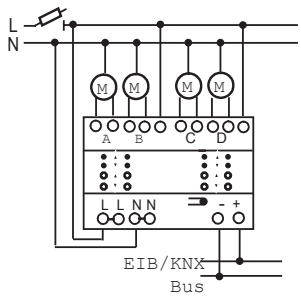
Switch/dimmer actuator 2gang SD/S2.16.1 (A) with light sensor LF/U2.1 (B).
Max. 100 m cable length



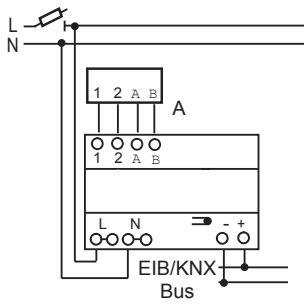
Switch/dimmer actuator, 2gang LR/S2.16.1 with light sensor LF/U2.1
Max. 100 m cable length



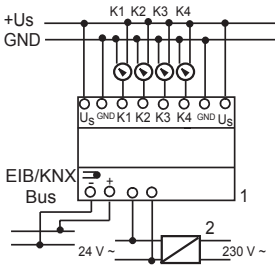
Blind actuator 4gang JA/S4.230-1



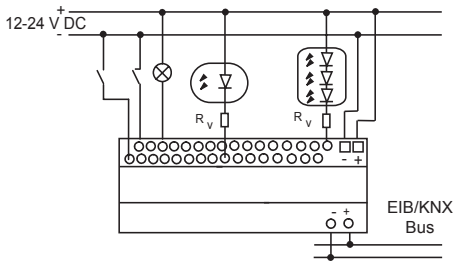
Blind actuator 4gang JA/S -types with manual control



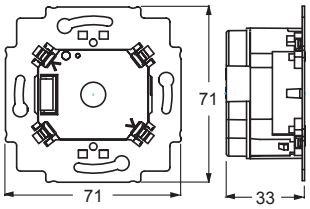
Weather unit WZ/S 1.1with multifunctional Weather sensor WES/A 1.1 (A) connected via cable typ JY (ST)Y 2x2x0,8mm², max. 100m cable lenght



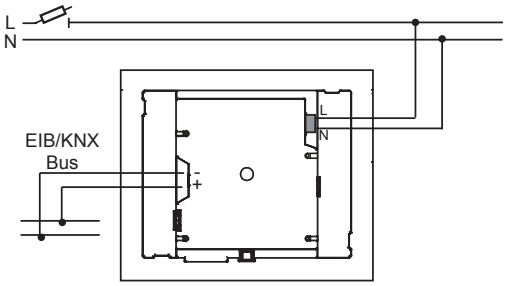
Weather station WS/S 4.1 (1) with required filament transformer/voltage supply 6190/49-101 (2) and 4 connected sensors 0-10 V



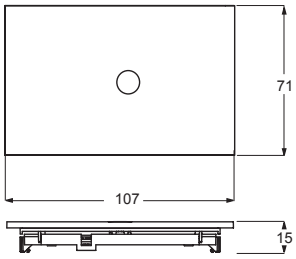
Universal I/O concentrator 32 gang UK/S 32.2



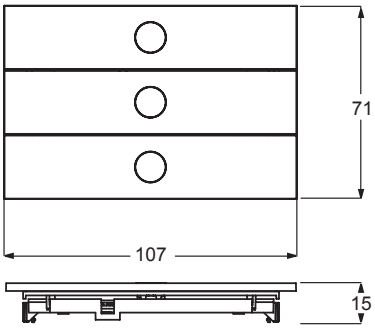
Flush-mounted bus coupler
Busch-*priOn*® 6120/1x



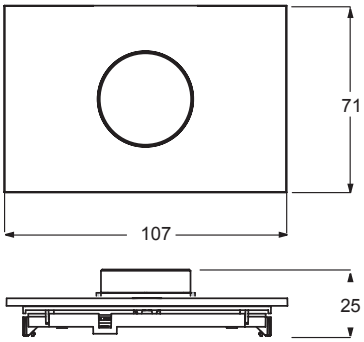
LEAN- and SMARTtouch 6136/xxx-10x



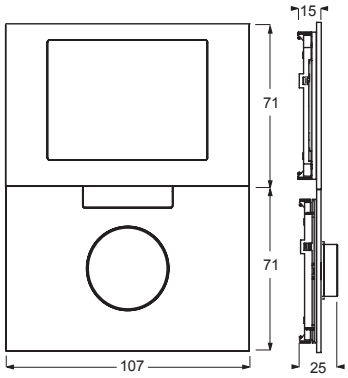
Control element, 1gang
Busch-*priOn*® 6340-xxx



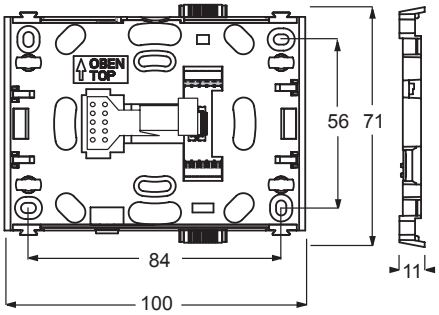
Control element, 3gang Busch-*priOn*®
6342-xxx



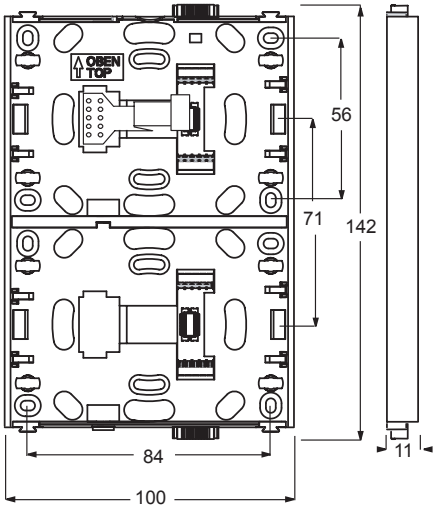
Rotary control element, 1gang
Busch-*priOn*® 6341-xxx



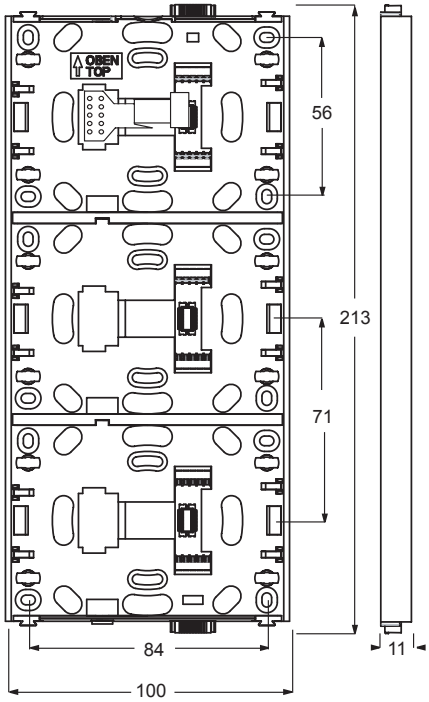
3.5“ (9cm) colour display with rotary
control element Busch-*priOn*®
6344-xxx



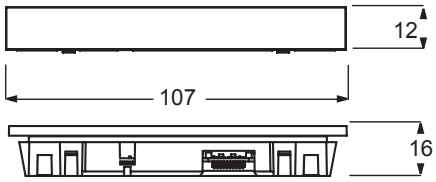
Support frame, 1gang
Busch-*priOn*®
6346/10



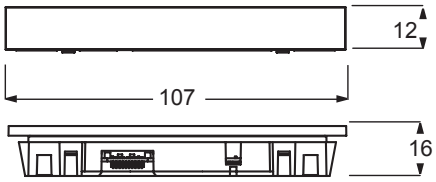
Support frame, 2gang
Busch-*priOn*®
6346/11



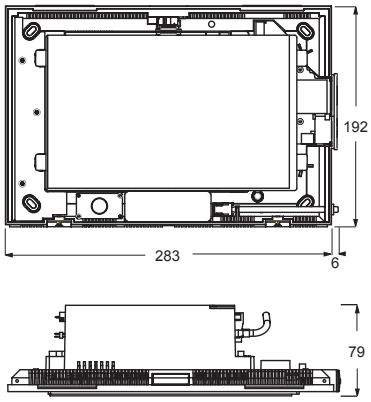
Support frame, 3gang
Busch-*priOn*®
6346/12



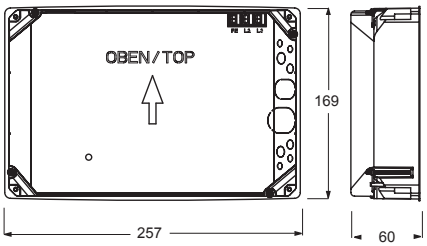
Top end strip, Busch-*priOn*® 6348-xxx, with IR receiver and proximity sensor 6350-825



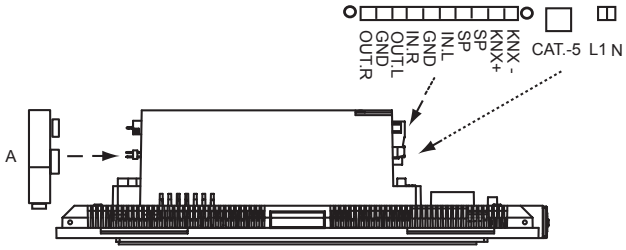
Bottom end strip, Busch-*priOn*® 6349-xxx



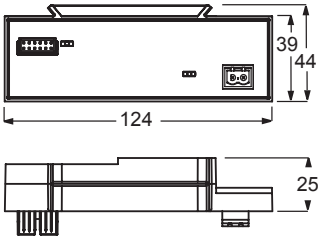
Busch-*ComfortTouch*® 8136



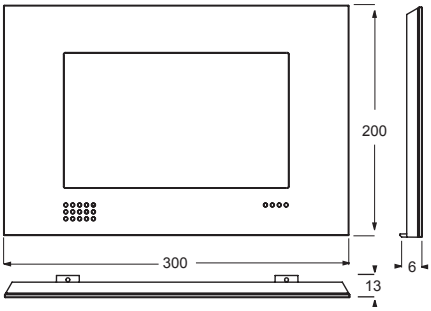
Flush-mounted wall box for Busch-*ComfortTouch*® 8136/UP



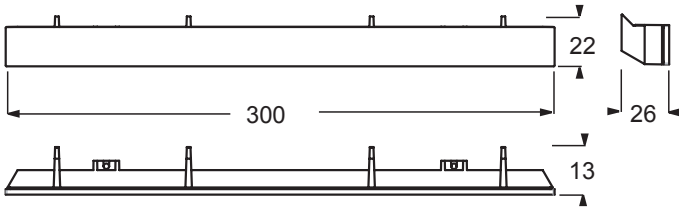
Terminal assignment Busch-*ComfortTouch*® 8136
A= Module ABB i-bus® KNX 6186 UP



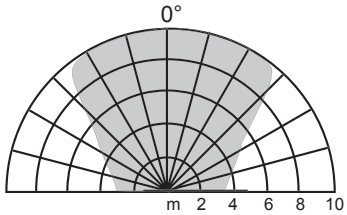
Module ABB i-bus® KNX 6186 UP, for Busch-*ComfortTouch*® 8136



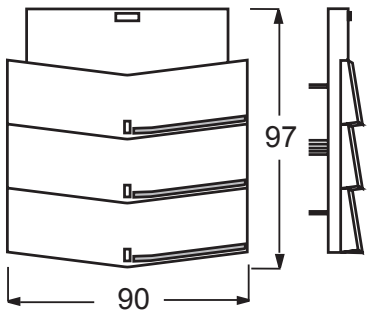
Design styling frame for Busch-*ComfortTouch*® 8136, 8136/2x



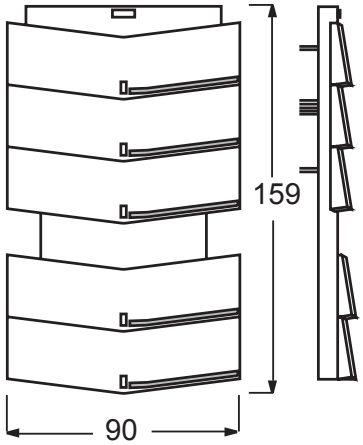
Design bar for Busch-*ComfortTouch*® 8136, 8136/4x



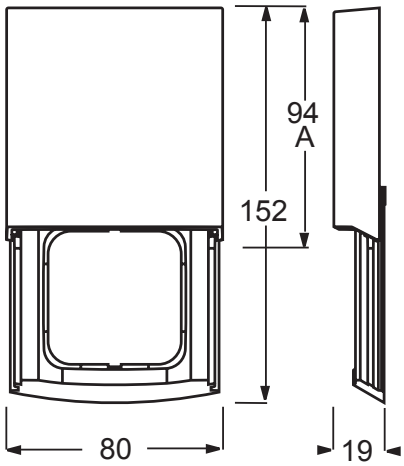
Reception range of integrated IR receiver SMART/LEANtouch 6136/xx, Busch-*ComfortTouch*® 8136



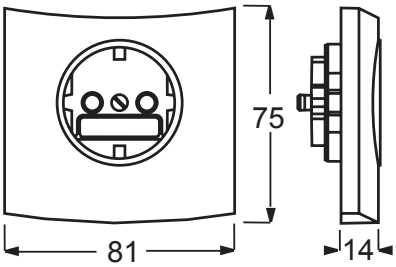
Busch-triton® flush-mounted switch sensor 3gang with IR reception and display 6323-…; with room thermostat and display 6326-10x-…



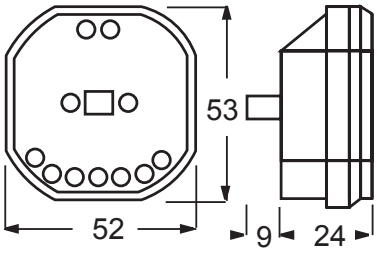
Busch-triton® flush-mounted switch sensor 5gang with IR reception 6324-…; with display 6325-…; with room thermostat and display 6327-…



Intermediate ring Busch-triton® 1746ZRKT-…



Busch-triton® flush-mounted SCHUKO® socket outlet 20 EUJKST-… for combination with Busch-triton® switch sensor



Heating actuator 1gang 6164U

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