

SCHAEFFER

RT 42
RA 42



IMPRESSIONS

RT 42 / RA 42

42

Versatility all around with type RT 42 button. If desired, explore touch plates in the third dimension. In its convex or concave shape it turns into a particular haptic and optic experience.

The water-protected configuration performs well, even under extreme conditions. Manifold combinations of basic elements, materials, recall light and marking options as well as offering a variety of matching products in the same Style, help to complement the choice.

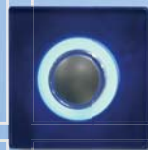
Car fixture
st. steel, brushed

Surface-mounted
fixture
st. steel, brushed

Glass fixtures



Glass fixture
with RT 42
convex



Glass fixture
with RT 42
concave



Stainless steel
column



Handrail fixture



INSPIRATIONS

RT 42 / RA 42

42

 Choice of faceplate materials
III. 1. 4 - III. 1. 8

Touch plates/plates and rims

TiN-coating
polished

Car fixture
st. steel, brushed

TiN-coating
surface design
"Hairline"

TiN-coating
matt

RT 42
touch plate
and rim
TiN-coating
polished



Landing fixture
st. steel, brushed

st. steel, matt
concave

st. steel, matt
convex

st. steel, black

aluminium,
black anodised
AlMg3 EV6

st. steel, brushed

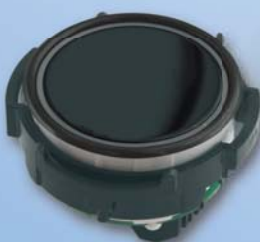
st. steel, matt




RT 42
touch plate
and rim
st. steel, polished



RT 42
touch plate
and rim
st. steel, black,
polished



 Further touch plate/plate finishes available on demand

TOUCH PLATE MARKING



RT 42

				neutral	touch plate st. steel, matt round, ø 28 mm even, neutral
				neutral	touch plate st. steel, matt round, ø 28 mm convex, neutral
				neutral	touch plate st. steel, matt round, ø 28 mm concave, neutral
				engraving	touch plate st. steel, matt round, ø 28 mm, even engraving (black, option: colour, RAL shades) Marking height of characters 10 mm height of symbols 15 mm
				laser	touch plate st. steel, matt round, ø 28 mm, even laser-marked Marking height of characters 10 mm height of symbols 15 mm
				pierced black	touch plate st. steel, matt round, ø 28 mm, even pierced black (black injected) Marking height of characters 10 mm (min 5 mm) height of symbols 15 mm
				pierced opal	touch plate st. steel, matt round, ø 28 mm, even pierced opal (white translucent injected) Marking height of characters 10 mm (min 5 mm) height of symbols 15 mm


! Various IX. 1.8 - IX. 1.9



Further touch plate finishes available on demand

			 <p>pierced yellow (translucent)</p>	<p>touch plate st. steel, matt round, ø 28 mm, even pierced yellow (yellow or yellow translucent injected) alarm symbol</p> <p>height of symbol 15 mm</p>
<p>EN 81-70</p>			 <p>embossing laser</p>	<p>touch plate st. steel, matt round, ø 28 mm, even embossing (laser-marked)</p> <p>height of characters 15 mm, with Braille (only one-digit characters possible) height of characters 15 mm, without Braille (two-digit characters possible as well) height of symbols 18 mm, without Braille</p>
<p>EN 81-70</p>			 <p>embossing</p>	<p>touch plate st. steel, black round, ø 28 mm, even embossing (brightened)</p> <p>height of characters 15 mm, with Braille (only one-digit characters possible) height of characters 15 mm, without Braille (two-digit characters possible as well) height of symbols 18 mm, without Braille</p>
<p>EN 81-70</p>			 <p>embossing</p>	<p>touch plate aluminium, black anodised (AlMg3 EV6) round, ø 28 mm, even embossing (ground)</p> <p>height of characters 15 mm, with Braille (only one-digit characters possible) height of characters 15 mm, without Braille (two-digit characters possible as well) height of symbols 18 mm, without Braille</p>
<p>EN 81-70</p>			 <p>injected (tactile) embossing</p>	<p>touch plate st. steel, brushed round, ø 28 mm, even pierced, translucent injected (tactile) embossing</p> <p>height of characters 15 mm, with Braille height of symbols 18 mm, without Braille</p>



 Further touch plate finishes available on demand.



RT 42 VIII

Round Button 42 VIII

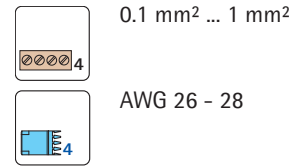
42



Characteristics

Fixing
Faceplate thickness
Connection technology

locking ring
1.5 mm ... 8 mm



print switch 1 NO-contact
switching voltage = 0.02 V ... 30 V AC/42 V DC
switching current = 0.01 mA ... 50 mA
switching capacity = 1 W

Stroke
Recall light

0.5 mm ... 0.8 mm

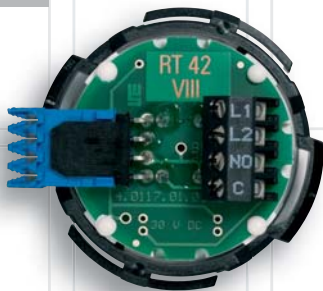


option
U = 30 V AC/DC
U = 12 V AC/DC
I = 20 mA

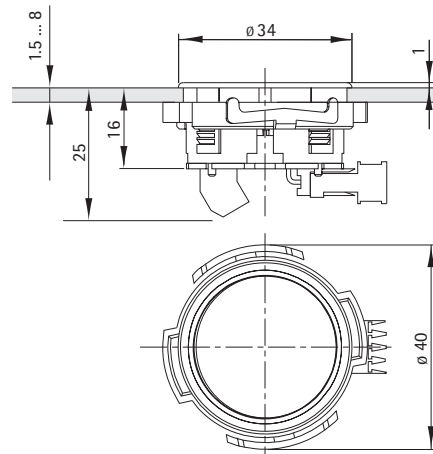
Mounting tool optional I. 10. 5

LABEL
Combination with Label I. 2. 76 - I. 2. 79

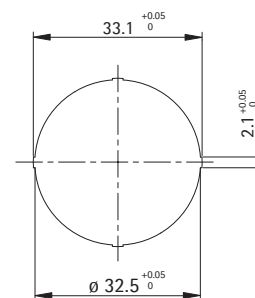
Rear view



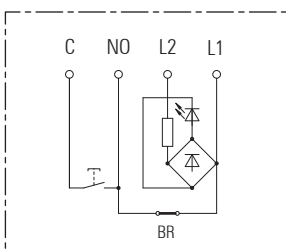
Dimensions



Cutout



Wiring diagram



Marking



RT 42 VIII wg

Round Button 42 VIII, water-protected

42



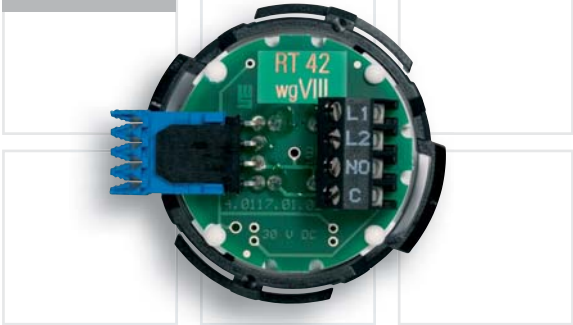
Mounting tool recommended I. 10. 5



LABEL

Combination with Label I. 2. 76 - I. 2. 79

Rear view



Characteristics

Fixing
Faceplate thickness
Connection technology

locking ring
1.5 mm ... 8 mm
0.1 mm² ... 1 mm²
AWG 26 - 28

Switching element

print switch 1 NO-contact
switching voltage = 0.02 V ... 30 V AC/42 V DC
switching current = 0.01 mA ... 50 mA
switching capacity = 1 W

Stroke

0.5 mm ... 0.8 mm

Recall light

LED ● ● ● ● ○

option

U = 30 V AC/DC
U = 12 V AC/DC
I = 20 mA

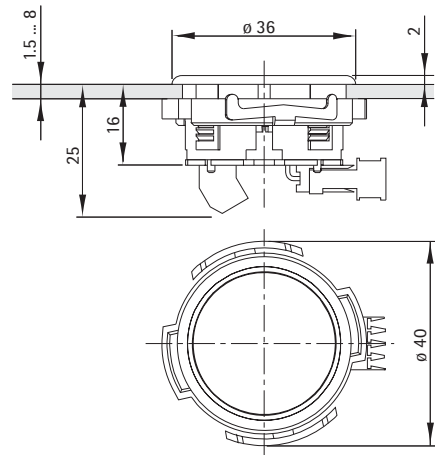
Protection category

from the front IP 55 (EN 60529)

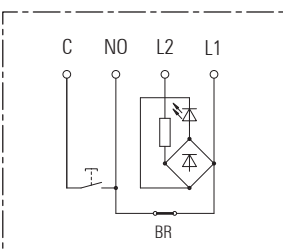
Compliance



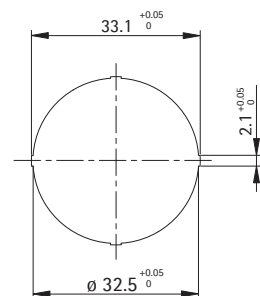
Dimensions



Wiring diagram



Cutout



Marking



neutral



engraving/laser



pierced black



pierced opal



embossing

RT 42 IX

Round Button 42 IX

42



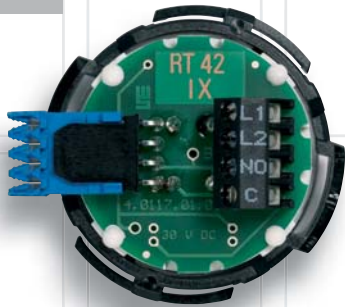
Mounting tool optional I. 10. 5






LABEL

Combination with Label I. 2. 76 - I. 2. 79

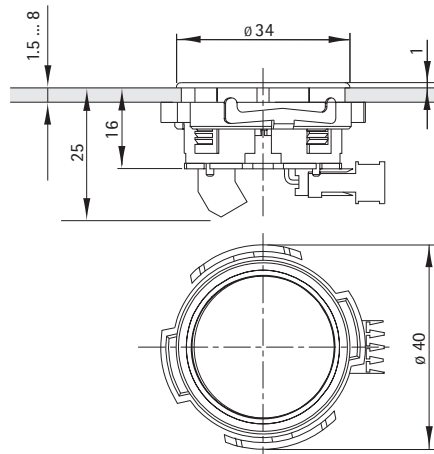
Rear view



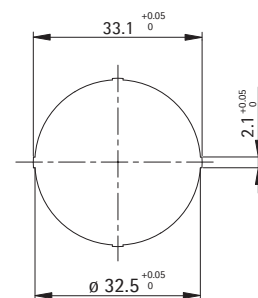
Characteristics

Fixing	locking ring
Faceplate thickness	1.5 mm ... 8 mm
Connection technology	 0.1 mm ² ... 1 mm ²
	 AWG 26 - 28
Switching element	print switch 1 NO-contact switching voltage = 0.02 V ... 30 V AC/42 V DC switching current = 0.01 mA ... 50 mA switching capacity = 1 W
Stroke	0.5 mm ... 0.8 mm
Recall light	 LED ● ● ● ● ○
option	U = 30 V AC/DC U = 12 V AC/DC I = 20 mA

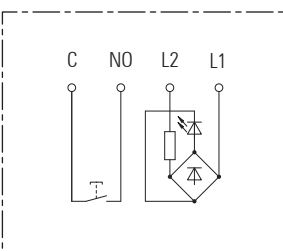
Dimensions



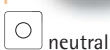
Cutout



Wiring diagram



Marking



neutral



engraving/laser



pierced black



pierced opal



embossing

RT 42 IX wg

Round Button 42 IX, water-protected

42



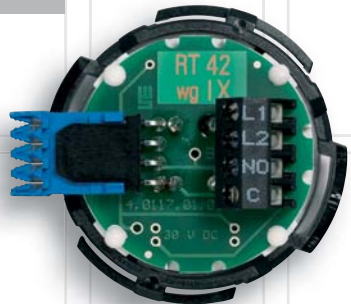
Mounting tool optional I. 10. 5



LABEL

Combination with Label I. 2. 76 - I. 2. 79

Rear view



Characteristics

Fixing
Faceplate thickness
Connection technology

locking ring
1.5 mm ... 8 mm
0.1 mm² ... 1 mm²
AWG 26 - 28

Switching element

print switch 1 NO-contact
switching voltage = 0.02 V ... 30 V AC/42 V DC
switching current = 0.01 mA ... 50 mA
switching capacity = 1 W
0.5 mm ... 0.8 mm

Stroke

Recall light



option

U = 30 V AC/DC
U = 12 V AC/DC
I = 20 mA

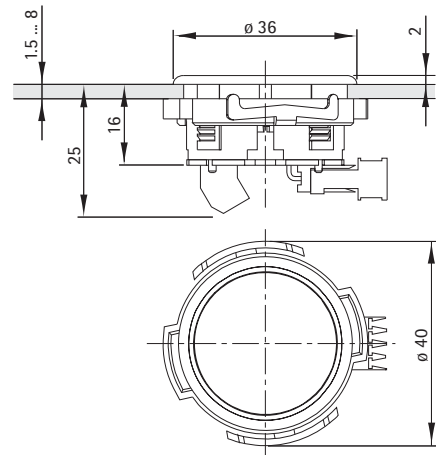
Protection category

from the front IP 55 (EN 60529)

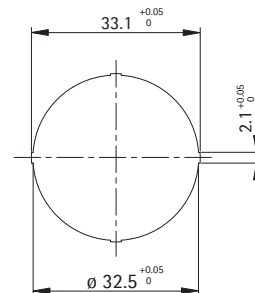
Compliance



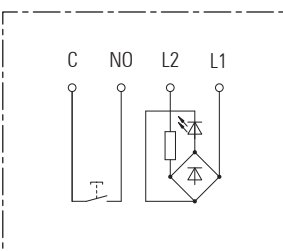
Dimensions



Cutout



Wiring diagram



Marking



neutral



engraving/laser



pierced black



pierced opal



embossing






RT 42 S


Round Button 42 S


42



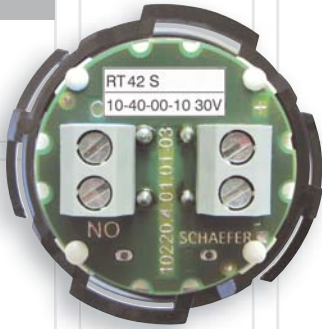
Characteristics

Fixing	locking ring
Faceplate thickness	1.5 mm ... 8 mm
Connection technology	 2 0.33 mm ² ... 1.5 mm ²
	 2
Switching element	print switch, 1 NO-contact
	switching voltage = 0.02 V ... 50 V DC
	switching current = 0.01 mA ... 50 mA
	switching capacity = 1 W
Stroke	0.5 mm ... 0.8 mm
Recall light	LED  
	
	option
	U = 30 V AC/DC
	U = 12 V AC/DC
	I = 20 mA

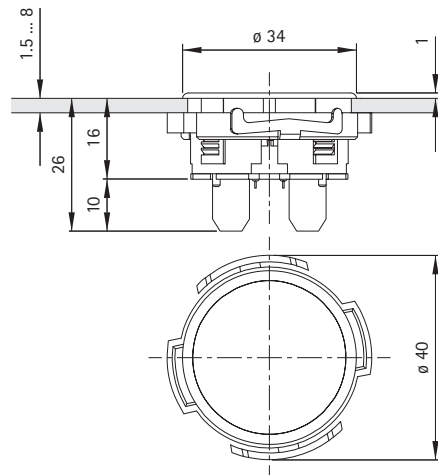
 Mounting tool optional I. 10.5

 LABEL
Combination with Label I. 2.76 - I. 2.79

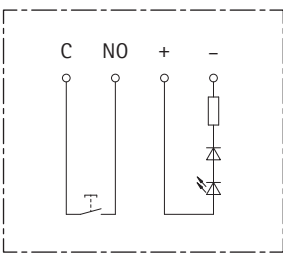
Rear view



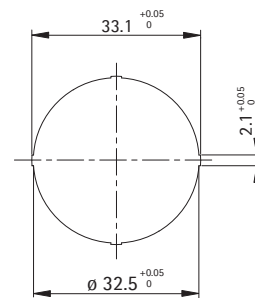
Dimensions



Wiring diagram



Cutout



Update / 2013-05

REVISION 

I



RT 42 S wg

Round Button 42 S, water-protected

42



Characteristics

Fixing
Faceplate thickness
Connection technology
Switching element
Stroke
Recall light

locking ring
1.5 mm ... 8 mm
0.33 mm² ... 1.5 mm²

print switch, 1 NO-contact
switching voltage = 0.02 V ... 50 V DC
switching current = 0.01 mA ... 50 mA
switching capacity = 1 W

0.5 mm ... 0.8 mm



option

U = 30 V AC/DC
U = 12 V AC/DC
I = 20 mA

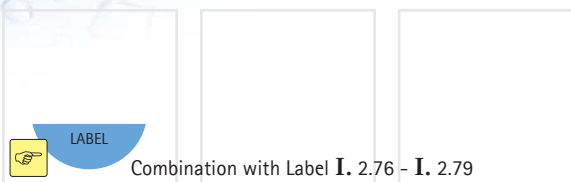
Protection category

from the front IP 55 (EN 60529)

Compliance



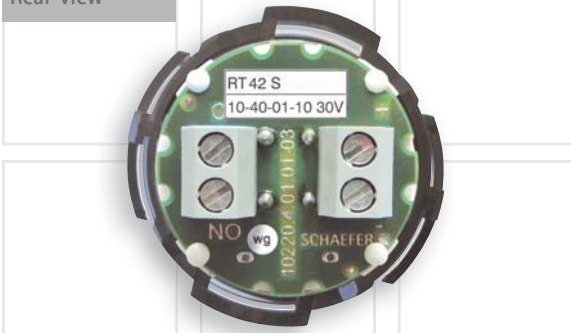
Mounting tool recommended I. 10.5



LABEL

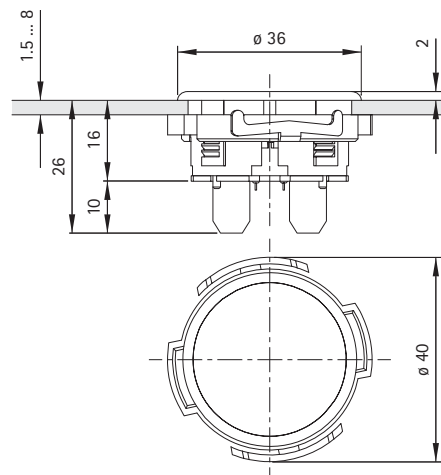
Combination with Label I. 2.76 - I. 2.79

Rear view

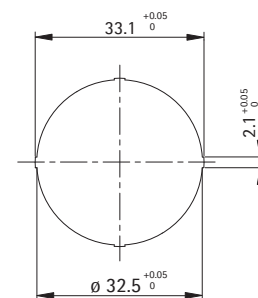


Dimensions

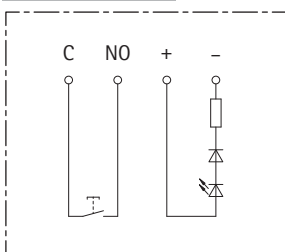
PITCH
42 75



Cutout



Wiring diagram



Marking



RT 42 2M XI

Round Button 42 2M XI

42



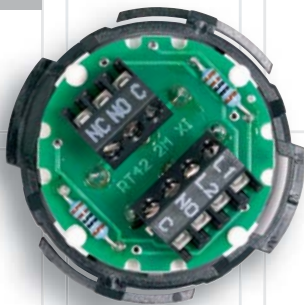
Mounting tool optional I. 10. 5



LABEL

Combination with Label I. 2. 76 - I. 2. 79

Rear view



Characteristics

Fixing
Faceplate thickness
Connection technology

locking ring
1.5 mm ... 8 mm



0.1 mm² ... 1 mm²

Switching element

snap switch 1 NO-contact
 switching voltage = 30 V DC
 switching current = 0.8 A ohmic load
 switching current = 0.5 A inductive load (L/R = 3 ms)
 switching voltage = 30 V AC
 switching current = 1 A
 snap switch 1 alternating contact
 switching voltage = 120 V DC
 switching current = 0.5 A ohmic load
 switching current = 0.2 A inductive load (L/R = 3 ms)
 switching voltage = 50 V AC
 switching current = 1 A

Stroke
Recall light

1.5 mm

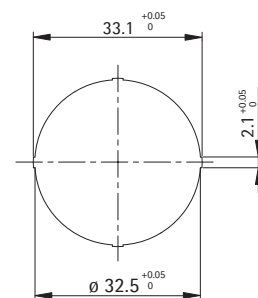
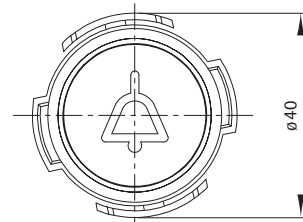
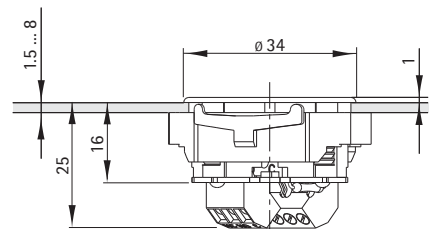


LED ● ● ● ● ○

option

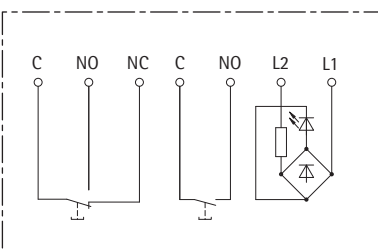
U = 30 V AC/DC
 U = 12 V AC/DC
 I = 40 mA

Dimensions

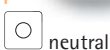


Cutout

Wiring diagram



Marking



neutral



engraving/laser



pierced yellow



pierced yellow translucent



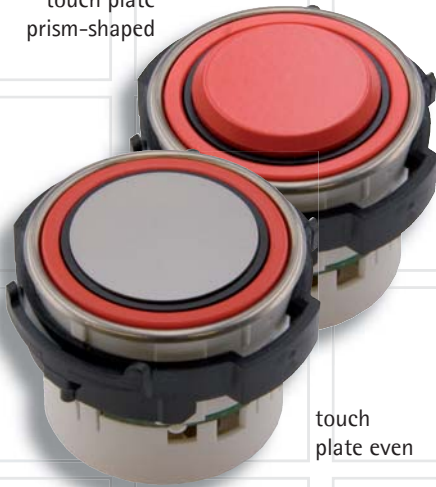
embossing

RT 42 ZT

Round Button 42, positive separating

42

touch plate
prism-shaped



touch
plate even



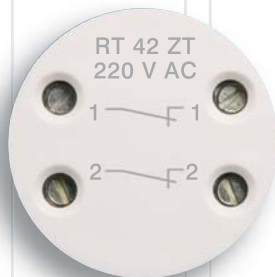
Mounting tool optional I. 10. 5




LABEL

Combination with Label I. 2. 76 - I. 2. 79

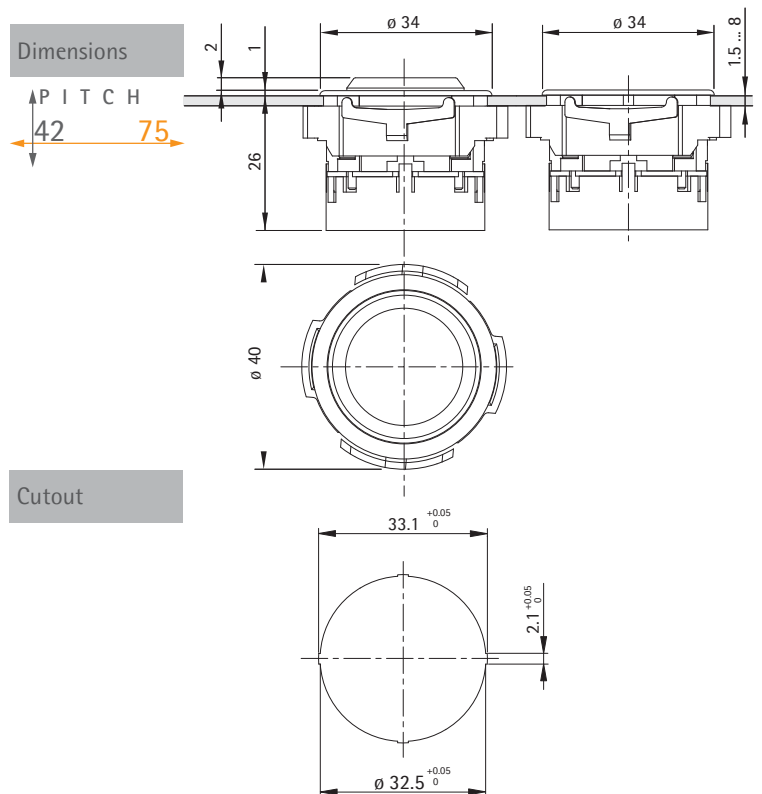
Rear view



Characteristics

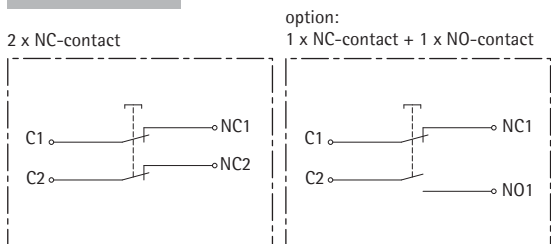
Fixing	locking ring
Faceplate thickness	1.5 mm ... 8 mm
Connection technology	 single-wire screw terminal 0.08 mm ² ... 2.5 mm ²
Switching element	2 x NC-contact, positive separating (IEC/EN 60 947-5-1), option: 1 x NC-contact + 1 x NO-contact
Rated operating current IE AC 15 B300	3 A/120 V 1.5 A/240 V
Thermic continuous current I _{th}	5 A
Rated operating current IE DC 13 Q300	550 mA/120 V 270 mA/240 V
Thermic continuous current I _{th}	2.5 A
Stroke	3.5 mm ... 3.8 mm
Recall light	none
Life cycles at 250 V/1A	1.000.000 cycles

Dimensions



Cutout

Wiring diagram



Marking



RT 42 VIII bishade

42

Round Button 42 VIII, two-stage recall light

recall light
full luminosity

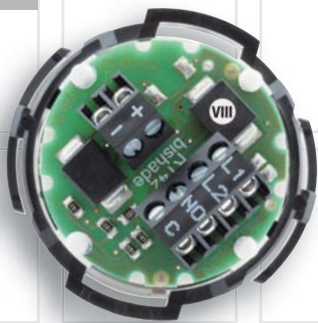


permanent
illumination half
luminosity















Mounting tool optional I. 10. 5

LABEL
Combination with Label I. 2. 76 - I. 2. 79

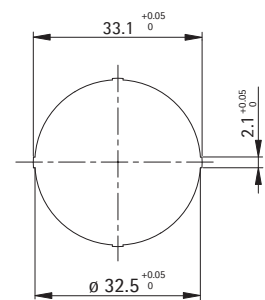
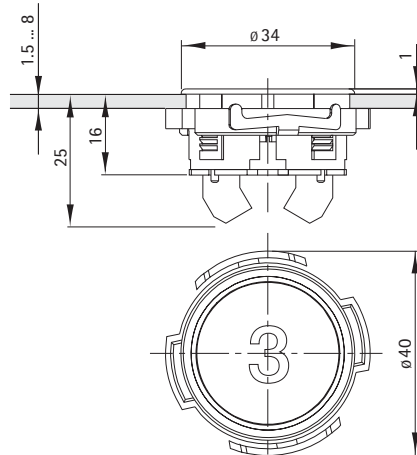
Rear view



Characteristics

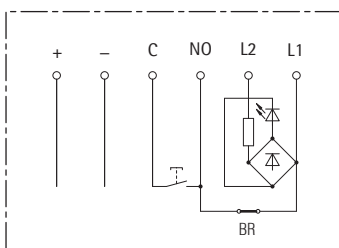
Fixing	locking ring
Faceplate thickness	1.5 mm ... 8 mm
Connection technology	 2 0.1 mm ² ... 1 mm ²  4
Switching element	print switch 1 NO-contact switching voltage = 0.02 V ... 30 V AC/42 V DC switching current = 0.01 mA ... 50 mA switching capacity = 1 W
Stroke	0.5 mm ... 0.8 mm
Permanent illumination	 LED      half luminosity
option	U = 12 V ... 30 V AC/DC U = 30 V ... 48 V AC/DC I = 10 mA
Recall light	 LED      full luminosity
option	U = 12 V ... 30 V AC/DC U = 30 V ... 48 V AC/DC I = 45 mA

Dimensions




Cutout

Wiring diagram



Marking

 neutral

  engraving/laser

 pierced black

 pierced opal

 embossing

Update / 2012-04

REVISION 3

I

RT 42 VIII bishade wg

Round Button 42 VIII, two-stage recall light, water-protected

42

recall light
full luminosity



permanent
illumination
half luminosity



Mounting tool optional I. 10. 5



LABEL

Combination with Label I. 2. 76 - I. 2. 79

Rear view



Characteristics

Fixing
Faceplate thickness
Connection
technology

locking ring
1.5 mm ... 8 mm
0.1 mm² ... 1 mm²

Switching element

print switch 1 NO-contact
switching voltage = 0.02 V ... 30 V AC/42 V DC
switching current = 0.01 mA ... 50 mA
switching capacity = 1 W

Stroke

0.5 mm ... 0.8 mm

Permanent
illumination

LED
half luminosity

option

U = 12 V ... 30 V AC/DC
U = 30 V ... 48 V AC/DC
I = 10 mA

Recall light

LED
full luminosity

option

U = 12 V ... 30 V AC/DC
U = 30 V ... 48 V AC/DC
I = 45 mA

Protection category

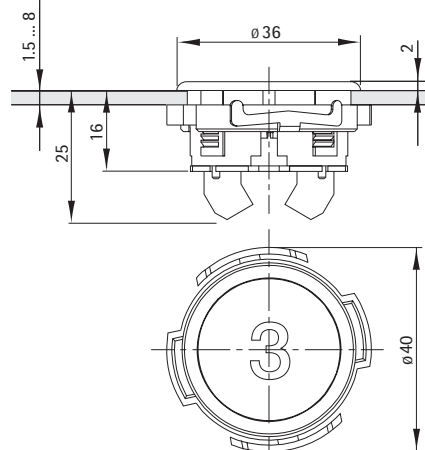
from the front IP 55 (EN 60529)

Compliance



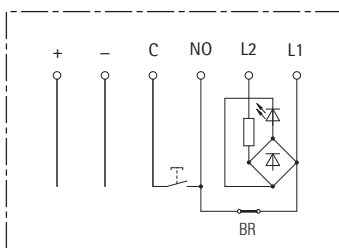
Dimensions

PITCH
42 75



Cutout

Wiring diagram



Marking

neutral

engraving/laser

pierced black

pierced opal

embossing

RT 42 IX bishade

Round Button 42 IX, two-stage recall light

recall light
full luminosity

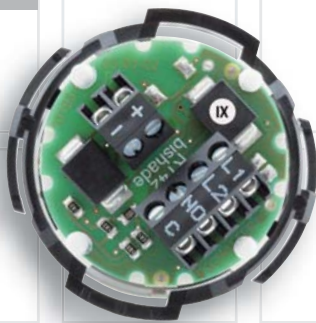


permanent
illumination half
luminosity















Mounting tool optional I. 10. 5

LABEL
Combination with Label I. 2. 76 - I. 2. 79

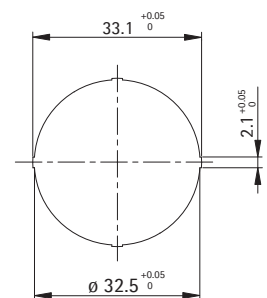
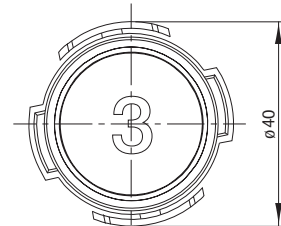
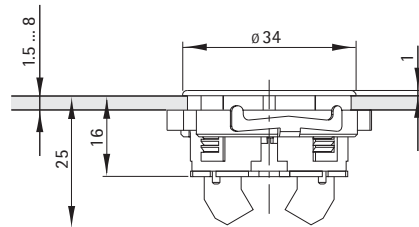
Rear view



Characteristics

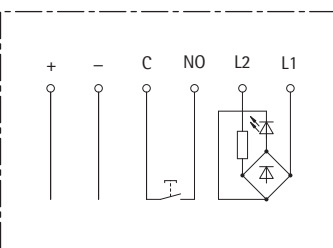
Fixing	locking ring
Faceplate thickness	1.5 mm ... 8 mm
Connection technology	 2 0.1 mm ² ... 1 mm ²  4
Switching element	print switch 1 NO-contact switching voltage = 0.02 V ... 30 V AC/42 V DC switching current = 0.01 mA ... 50 mA switching capacity = 1 W
Stroke	0.5 mm ... 0.8 mm
Permanent illumination	 LED      half luminosity
option	U = 12 V ... 30 V AC/DC U = 30 V ... 48 V AC/DC I = 10 mA
Recall light	 LED      full luminosity
option	U = 12 V ... 30 V AC/DC U = 30 V ... 48 V AC/DC I = 45 mA

Dimensions

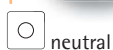


Cutout

Wiring diagram



Marking



neutral



engraving/laser



pierced black



pierced opal



embossing

RT 42 IX bishade wg

Round Button 42 IX, two-stage recall light, water-protected

42

recall light
full luminosity



permanent
illumination half
luminosity



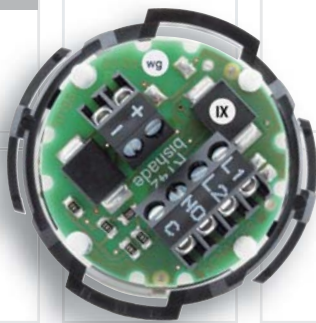
Mounting tool optional I. 10. 5



LABEL

Combination with Label I. 2. 76 - I. 2. 79

Rear view



Characteristics

Fixing
Faceplate thickness
Connection
technology

locking ring
1.5 mm ... 8 mm
0.1 mm² ... 1 mm²

Switching element

print switch 1 NO-contact
switching voltage = 0.02 V ... 30 V AC/42 V DC
switching current = 0.01 mA ... 50 mA
switching capacity = 1 W

Stroke

0.5 mm ... 0.8 mm

Permanent
illumination

LED
half luminosity

option

U = 12 V ... 30 V AC/DC
U = 30 V ... 48 V AC/DC
I = 10 mA

Recall light

LED
full luminosity

option

U = 12 V ... 30 V AC/DC
U = 30 V ... 48 V AC/DC
I = 45 mA

Protection category

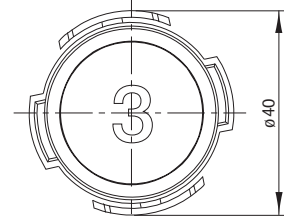
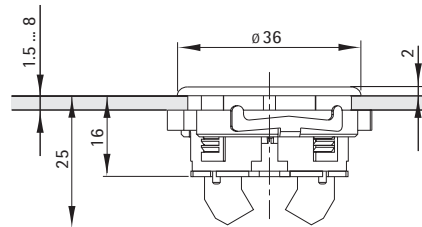
from the front IP 55 (EN 60529)

Compliance

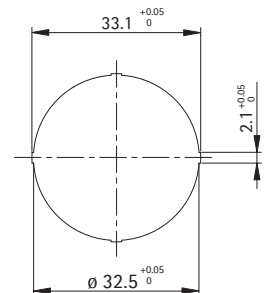


Dimensions

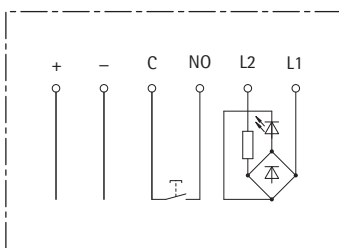
PITCH
42 75



Cutout



Wiring diagram



Marking

neutral

engraving/laser

pierced black

pierced opal

embossing

RT 42 VIII bicolour

42

Round Button 42 VIII, two-coloured recall light

recall light



permanent illumination



Mounting tool optional I. 10. 5

















LABEL

Combination with Label I. 2. 76 - I. 2. 79

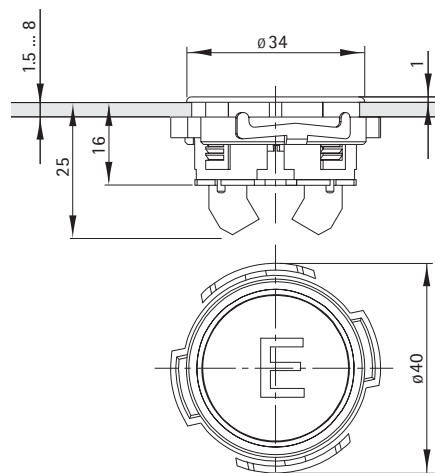
Rear view



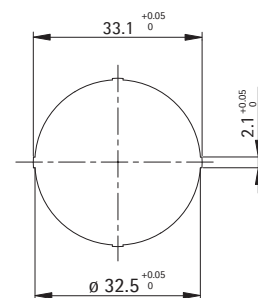
Characteristics

Fixing	locking ring
Faceplate thickness	1.5 mm ... 8 mm
Connection technology	 2 0.1 mm ² ... 1 mm ²  4
Switching element	print switch 1 NO-contact switching voltage = 0.02 V ... 30 V AC/42 V DC switching current = 0.01 mA ... 50 mA switching capacity = 1 W
Stroke	0.5 mm ... 0.8 mm
Permanent illumination	 LED     
option	U = 12 V ... 30 V DC U = 30 V ... 48 V DC I = 45 mA
Recall light	 LED     
option	U = 12 V ... 30 V DC U = 30 V ... 48 V DC I = 45 mA

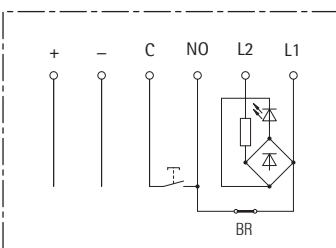
Dimensions



Cutout



Wiring diagram



Marking



neutral



engraving/laser



pierced black



pierced opal



embossing

Update / 2012-04

REVISION 3

I

RT 42 VIII bicolour wg

Round Button 42 VIII, two-coloured recall light, water-protected

42

recall light



permanent illumination



Mounting tool optional I. 10. 5



LABEL

Combination with Label I. 2. 76 - I. 2. 79

Rear view



Characteristics

Fixing
Faceplate thickness
Connection technology

locking ring
1.5 mm ... 8 mm
0.1 mm² ... 1 mm²

Switching element

print switch 1 NO-contact
switching voltage = 0.02 V ... 30 V AC/42 V DC
switching current = 0.01 mA ... 50 mA
switching capacity = 1 W

Stroke

0.5 mm ... 0.8 mm

Permanent illumination

LED
option
U = 12 V ... 30 V DC
U = 30 V ... 48 V DC
I = 45 mA

Recall light

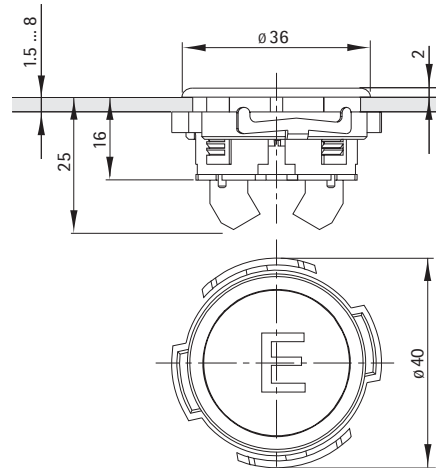
LED
option
U = 12 V ... 30 V DC
U = 30 V ... 48 V DC
I = 45 mA

Protection category
Compliance

from the front IP 55 (EN 60529)

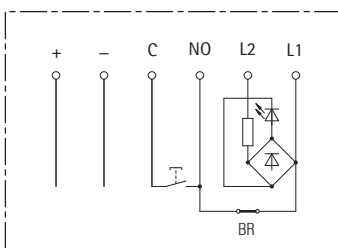
Dimensions

PITCH
42 75



Cutout

Wiring diagram



Marking

neutral

engraving/laser

pierced black

pierced opal

embossing

RT 42 IX bicolour

42

Round Button 42 IX, two-coloured recall light

recall light



permanent illumination



Mounting tool optional I. 10. 5

















LABEL

Combination with Label I. 2. 76 - I. 2. 79

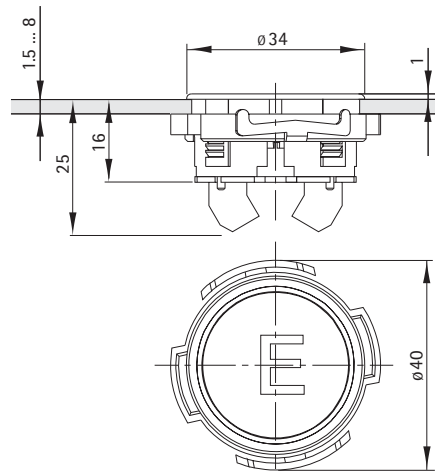
Rear view



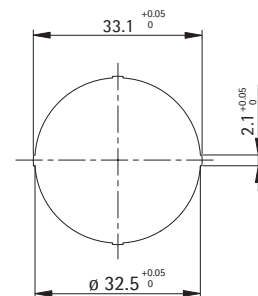
Characteristics

Fixing	locking ring
Faceplate thickness	1.5 mm ... 8 mm
Connection technology	 2 0.1 mm ² ... 1 mm ²  4
Switching element	print switch 1 NO-contact switching voltage = 0.02 V ... 30 V AC/42 V DC switching current = 0.01 mA ... 50 mA switching capacity = 1 W
Stroke	0.5 mm ... 0.8 mm
Permanent illumination	 LED     
option	U = 12 V ... 30 V DC U = 30 V ... 48 V DC I = 45 mA
Recall light	 LED     
option	U = 12 V ... 30 V DC U = 30 V ... 48 V DC I = 45 mA

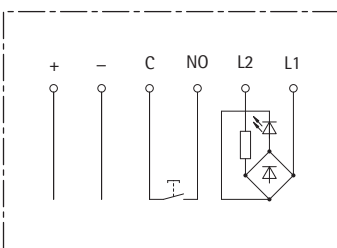
Dimensions



Cutout



Wiring diagram



Marking



neutral



engraving/laser



pierced black



pierced opal



embossing

Update / 2013-05

REVISION ①

I

RT 42 IX bicolour wg

Round Button 42 IX, two-coloured recall light, water-protected

42

recall light



permanent illumination



Mounting tool optional I. 10. 5



LABEL

Combination with Label I. 2. 76 - I. 2. 79

Rear view



Characteristics

Fixing
Faceplate thickness
Connection technology

locking ring
1.5 mm ... 8 mm
0.1 mm² ... 1 mm²

Switching element

print switch 1 NO-contact
switching voltage = 0.02 V ... 30 V AC/42 V DC
switching current = 0.01 mA ... 50 mA
switching capacity = 1 W

Stroke

0.5 mm ... 0.8 mm

Permanent illumination

LED
option
U = 12 V ... 30 V DC
U = 30 V ... 48 V DC
I = 45 mA

Recall light

LED
option
U = 12 V ... 30 V DC
U = 30 V ... 48 V DC
I = 45 mA

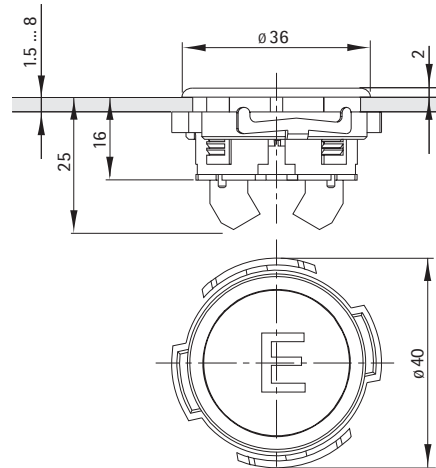
Protection category
Compliance

from the front IP 55 (EN 60529)

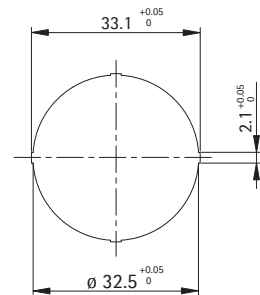


Dimensions

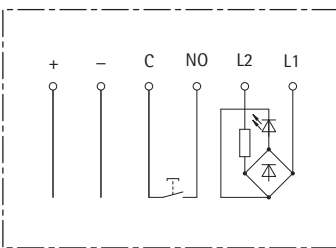
PITCH
42 75



Cutout



Wiring diagram



Marking

neutral

engraving/laser

pierced black

pierced opal

embossing


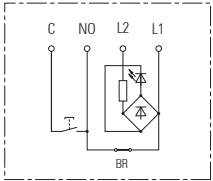

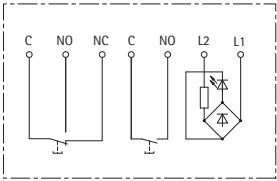

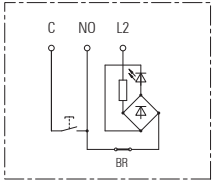
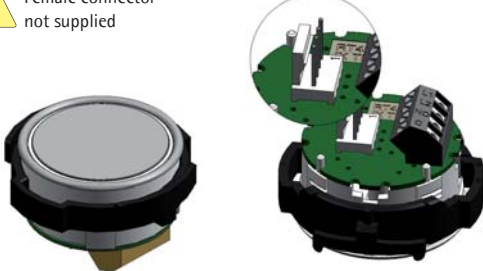
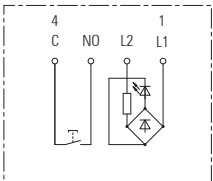

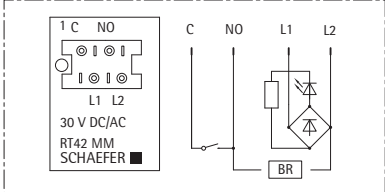








Individual configuration	Illustration/detail	Wiring diagram
RT 42 VIII AUS		
RT 42 2M AUS		
RT 42 VIII HE		
RT 42 IX TH	<p data-bbox="395 1088 579 1133">⚠ Female connector not supplied</p> 	
RT 42 MM		

PLATE MARKING

RA 42

42

		film
		film
		injected
		
		

polycarbonate plate, red
 round, \varnothing 30 mm
 film (positive, negative, colour)
 Marking height of characters 10 mm
 height of symbols 15 mm

polycarbonate plate, crystal clear
 round, \varnothing 30 mm
 film (positive, negative, colour)
 Marking height of characters 10 mm
 height of symbols 15 mm

plate st. steel, matt
 round, \varnothing 30 mm
 injected opal (arrows white translucent injected)
 Marking height of symbol 12 mm



RA 42

Round Indicator 42

42



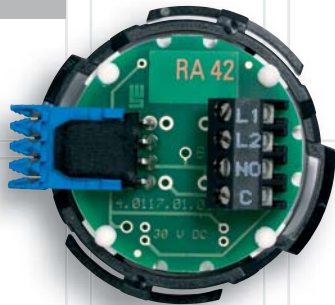
Mounting tool optional I. 10. 5



Marking



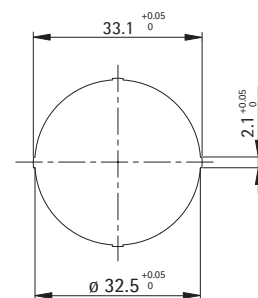
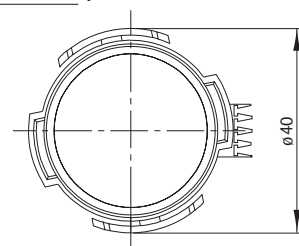
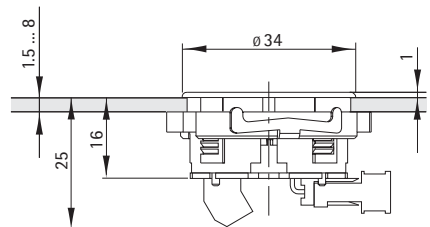
Rear view



Characteristics

Fixing	locking ring	
Faceplate thickness	1.5 mm ... 8 mm	
Connection technology	0.1 mm ² ... 1 mm ²	
	AWG 26 - 28	
Plate	crystal clear	LED
	red	LED
Film		positive, negative, colour
Recall light		LED
option	U =	30 V AC/DC
	U =	12 V AC/DC
	I =	20 mA

Dimensions



Cutout

Marking



RA 42 wg

Round Indicator 42, water-protected

42



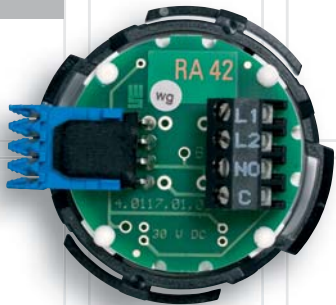
Mounting tool optional I. 10. 5



Marking



Rear view



Characteristics

Fixing
Faceplate thickness
Connection technology

locking ring
1.5 mm ... 8 mm
0.1 mm² ... 1 mm²
AWG 26 - 28

Plate

crystal clear LED ● ● ● ● ●
red LED ●

Film

positive, negative, colour

Recall light

LED ● ● ● ● ●

option

U = 30 V AC/DC
U = 12 V AC/DC
I = 20 mA

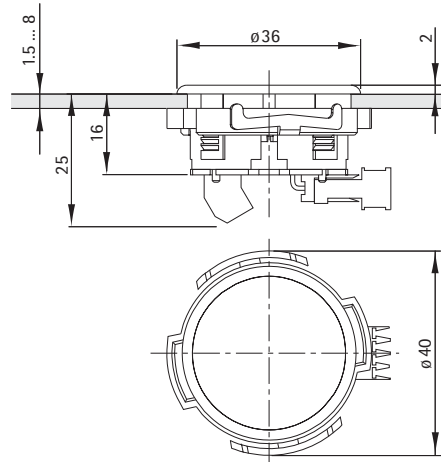
Protection category
Compliance

from the front IP 55 (EN 60529)

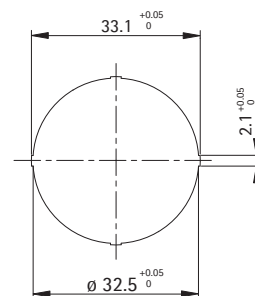


Dimensions

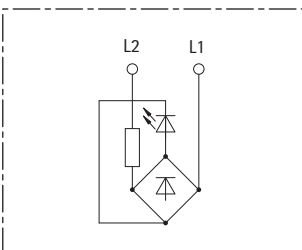
PITCH
42 75



Cutout



Wiring diagram



Marking



RA 42 S

Round Indicator 42 S

42



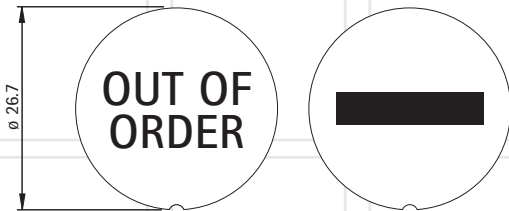
Characteristics

Fixing	locking ring	
Faceplate thickness	1.5 mm ... 8 mm	
Connection technology	2	0.33 mm ² ... 1.5 mm ²
Plate	crystal clear	LED
	red	LED
Film		positive, negative
Recall light		LED
option	U = 30 V AC/DC U = 12 V AC/DC I = 20 mA	

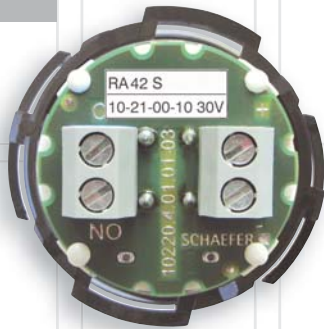
Mounting tool optional I. 10.5



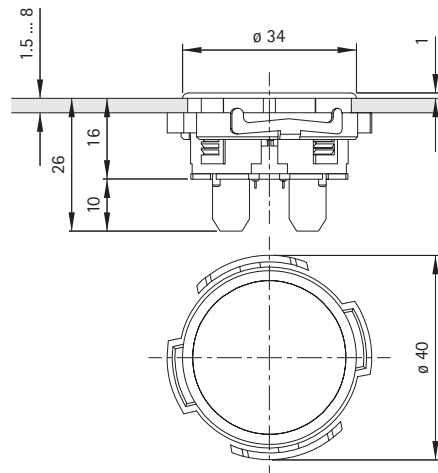
Marking



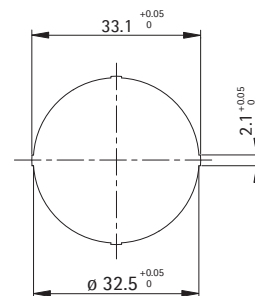
Rear view



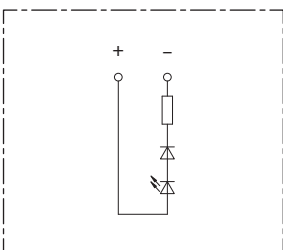
Dimensions



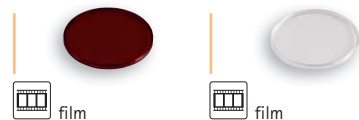
Cutout



Wiring diagram



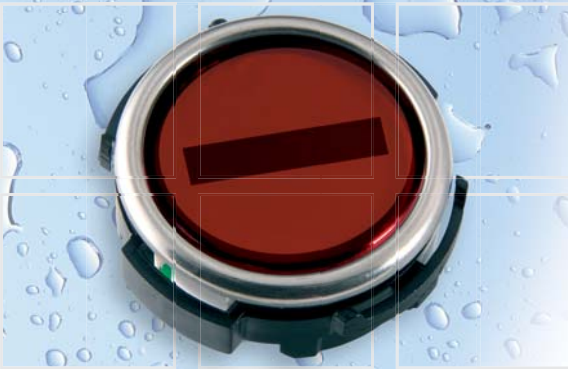
Marking













RA 42 S wg

Round Indicator 42 S, water-protected

42



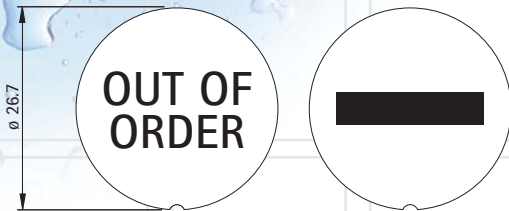
Characteristics

Fixing	locking ring	
Faceplate thickness	1.5 mm ... 8 mm	
Connection technology	 2	0.33 mm ² ... 1.5 mm ²
Plate	crystal clear	LED  
	red	LED 
Film		positive, negative
Recall light		LED  
	option	U = 30 V AC/DC U = 12 V AC/DC I = 20 mA
Protection category		from the front IP 55 (EN 60529)
Compliance	 	

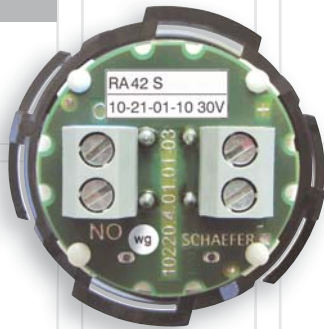
 Mounting tool recommended I. 10.5



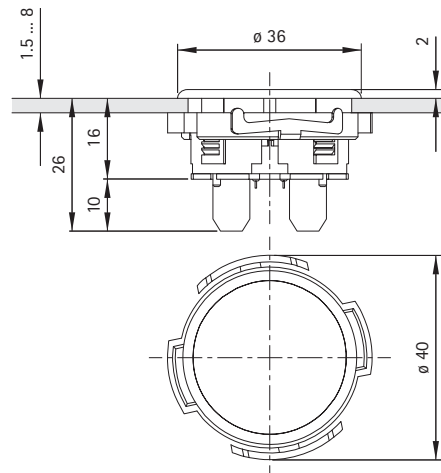
Marking



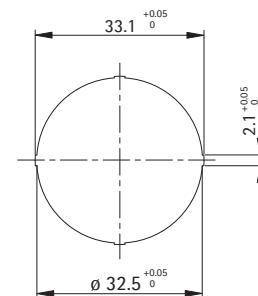
Rear view



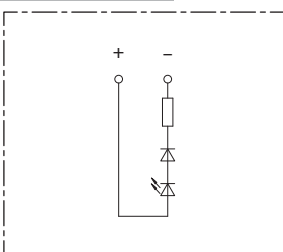
Dimensions



Cutout



Wiring diagram



Marking



RA 42 LC

Round Indicator 42

Low Current

42

recall light
emergency call
released



recall light
emergency call
acknowledged

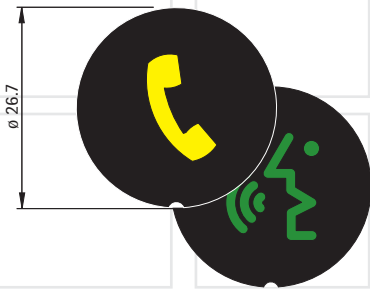
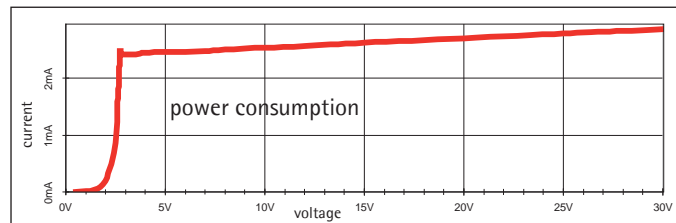


Mounting tool optional I. 10. 5

Characteristics

Fixing	locking ring
Faceplate thickness	1.5 mm ... 8 mm
Connection technology	2 0.1 mm ² ... 1 mm ²
	E 2 AWG 26 - 28
Plate	crystal clear
Film	negative, colour
Recall light	LED
	U = 3 ... 30 V DC smoothed
	I = 2.5 mA

Compliance



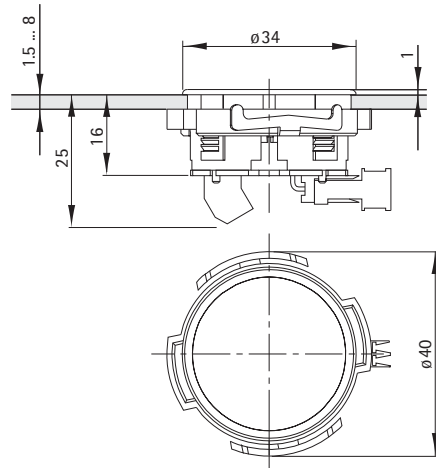
Marking



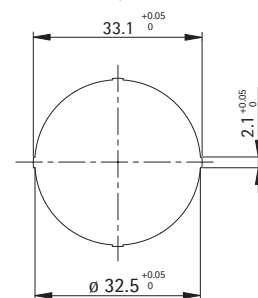
Rear view



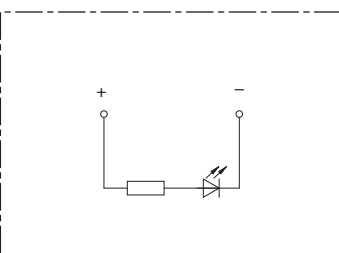
Dimensions



Cutout



Wiring diagram



Update / 2012-04

REVISION 3

I



RA 42 LC wg

Round Indicator 42 Low Current, water-protected

42

recall light
emergency call
released



recall light
emergency call
acknowledged



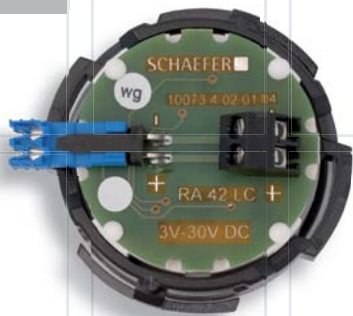
Mounting tool optional I. 10. 5



Marking



Rear view



Characteristics

Fixing
Faceplate thickness
Connection
technology

locking ring
1.5 mm ... 8 mm
0.1 mm² ... 1 mm²
AWG 26 - 28

Plate
Film

crystal clear
negative, colour

Recall light

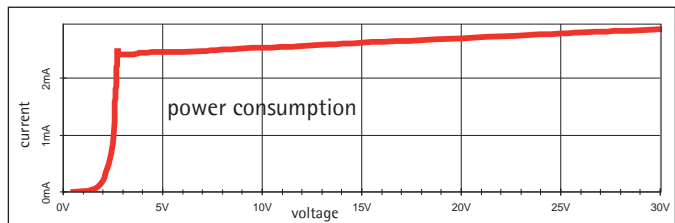
LED

U = 3 ... 30 V DC smoothed
I = 2.5 mA

Protection category

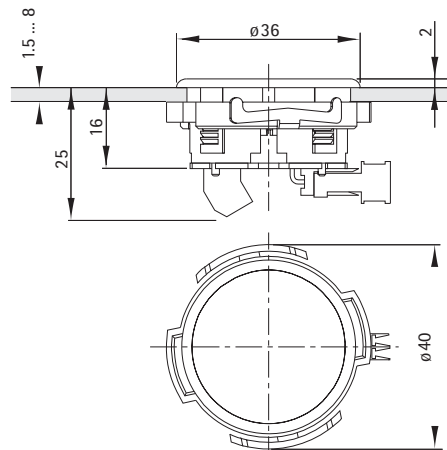
from the front IP 55 (EN 60529)

Compliance

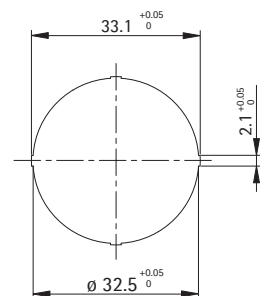


Dimensions

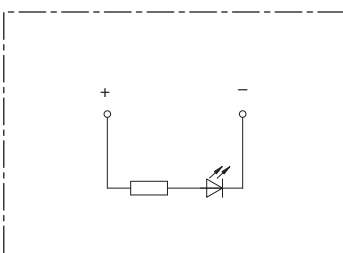
PITCH
42 75



Cutout



Wiring diagram



Marking



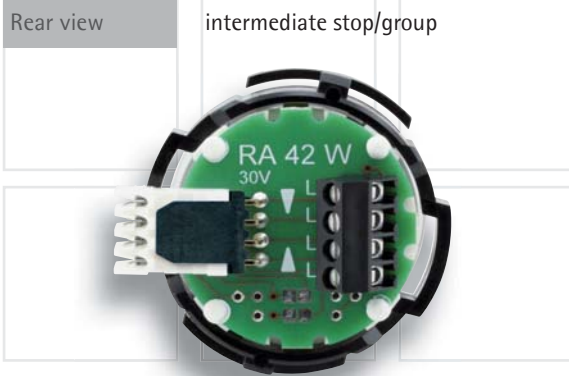
RA 42 W

Round Indicator 42, motion

42



Mounting tool optional I. 10. 5



Characteristics

Fixing
Faceplate thickness
Connection technology

locking ring
1.5 mm ... 8 mm
0.1 mm² ... 1 mm²

AWG 26 - 28

Recall light

LED ● ● ●

arrow up/down (intermediate stop)

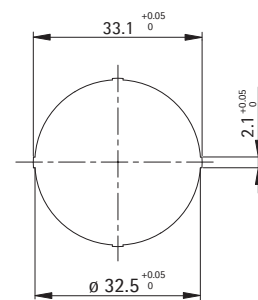
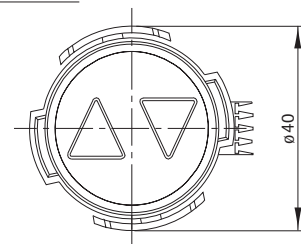
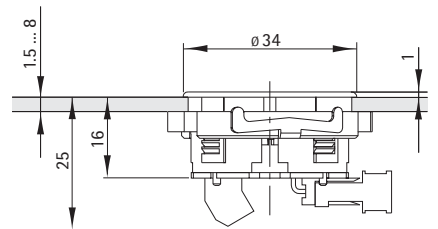
arrow up or down (terminal stop)

group

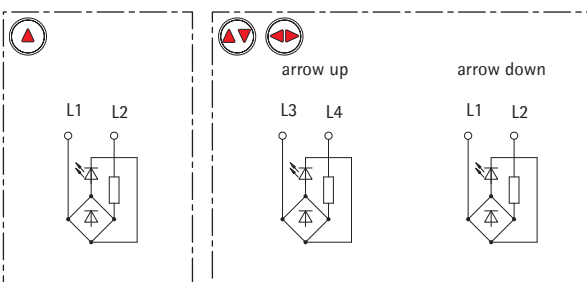
option
U = 30 V AC/DC
U = 12 V AC/DC
I = 20 mA (per arrow)

Dimensions

PITCH
42 75



Wiring diagram



Cutout

Marking



RA 42 W wg

Round Indicator 42, motion, water-protected

42

Characteristics

Fixing
Faceplate thickness
Connection technology

locking ring

1.5 mm ... 8 mm

0.1 mm² ... 1 mm²



AWG 26 - 28



Recall light

LED ● ● ●

arrow up/down
(intermediate stop)

arrow up or down
(terminal stop)

group

option
U = 30 V AC/DC
U = 12 V AC/DC
I = 20 mA (per arrow)

Protection category
Compliance



RA 42 W wg
intermediate
stop

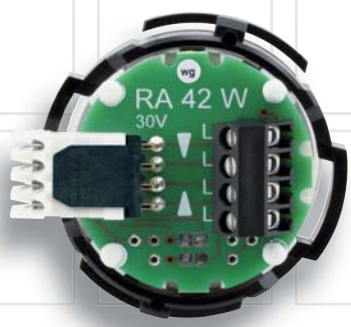
RA 42 W wg
terminal stop

RA 42 W wg
group

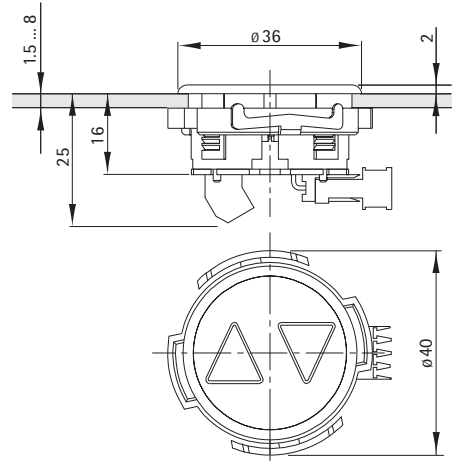
Mounting tool optional I. 10. 5

Rear view

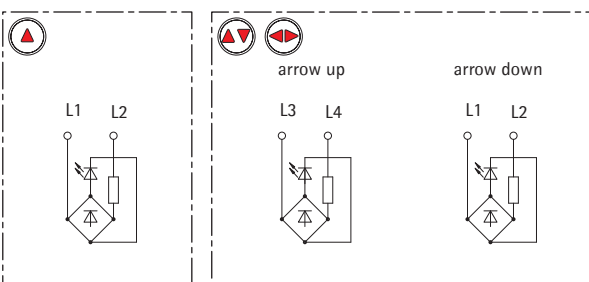
intermediate stop/group



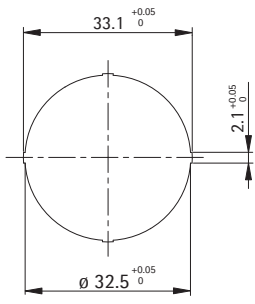
Dimensions



Wiring diagram



Cutout



Marking



MATERIAL CODE

RT 42, RA 42, RS 42

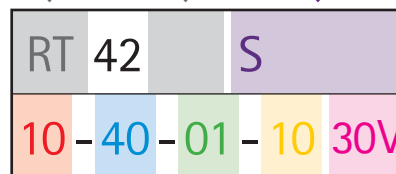
42

Type	
RS	Key Switch (switch/impulse function)
RT	Round Button
RA	Round Indicator
RA W	Round Indicator, way pointer

Connection/Suffix	
	without print switch
VIII	jumper NO-L1
IX	without jumper NO-L1
XII	Micro-Match
2M XIV	1 alternating contact / 1 NO-contact
1M	1 NC-contact / 1 NO-contact
ZT	positive separating
LC	Low Current ^[4]
S	IX screw terminal 2 x 2 pole
flat	flush with faceplate
Micro	only grille
Kaba	round cylinder type KABA
P	profile half cylinder ^[2]
...	customized

LED Voltage	
0 V	without LED
6 V	
12 V	
30 V	
48 V	

example: identity plate



Housing (34 mm diameter)	
10	stainless steel, polished
11	stainless steel, TiN, polished
12	stainless steel, black, polished
13	bronze
14	flush, velour-chrome ^[1]
15	flush, PC, grey ^[1]

Housing (36 mm diameter)	
20	stainless steel, polished
21	stainless steel, TiN
22	stainless steel, black
23	bronze

Cover plate (RS 42 P/38 mm diameter)	
03	plastic, black ^[2]

Touch plate/Plate	
00	without
01	stainless steel, matted
02	stainless steel, TiN, matted
03	stainless steel, black
04	stainless steel, polished
05	stainless steel, TiN, polished
06	stainless steel, TiN, Hairline
07	stainless steel, brushed
08	AlMg3 EV6, black
10	RAL 9010, white
11	RAL 3000, red
12	RAL 6018, green
13	RAL colour as per request
20	PC, crystal clear ^[4]
21	PC, red ^[4]
22	PC, green ^[4]
23	PC, blue ^[4]
30	V2A, concave ^[3]
31	V2A, convex ^[3]
32	prism, green ^[3]
40	stainless steel, brushed, 0.5 mm, embossing (Braille), injected (tactile, opal)

LED colour	
00	without
10	red
20	blue
30	green
40	white
50	yellow

LED colour (bishade)	
1b	red
2b	blue
3b	green
4b	white
5b	yellow

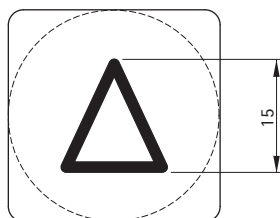
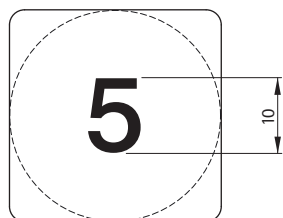
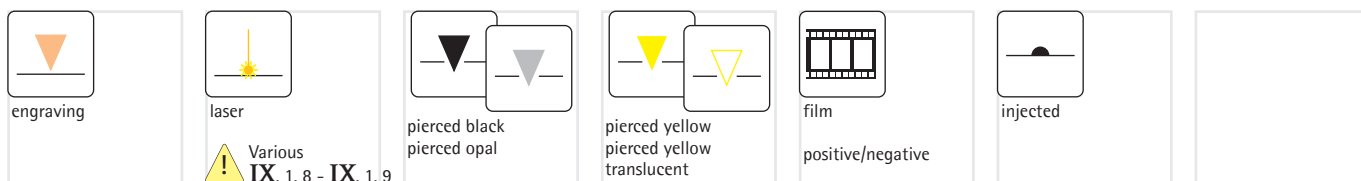
LED colour (bicolour)	
13	red / green
31	green / red
23	blue / green
25	blue / yellow
42	white / blue

Compliance EN 81-71	
00	Class 0
01	Class 1 + IP X3 (water protection)

^[1] no water protection ^[2] only RS 42 P ^[3] only RT 42 ^[4] only RA 42

TiN = titaniumnitrite coated PC = polycarbonate

MARKING



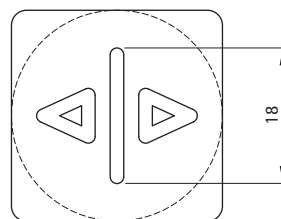
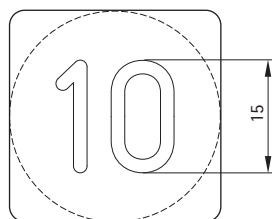
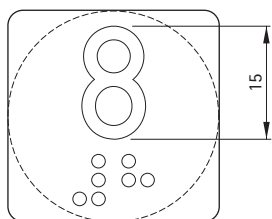
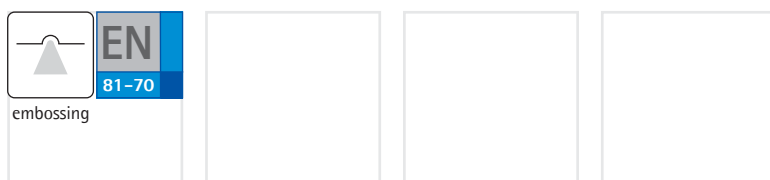
Font: Swiss 721 Md BT

The heights of markings for characters and symbols are identical with all buttons and indicators from the Style 42.

The height of the characters depends on the number of characters within the available marking space.

number of characters ↑ ≙ height of characters ↓

Due to the production process the appearance of the shown characters/symbols may vary from the original depending on the touch plate/plate variant.



Font: DIN 1451 medium (one-digit characters with Braille)

Font: DIN 1451 medium (with RT 42 two-digit characters without Braille)



MARKING STYLE 42



embossing



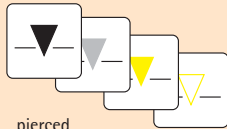
engraving



laser



film



pierced



Floors according to EN 81-70:

...		
-5	-4	-3
-2	-1	0
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
...		

Floors:

...		
-5	-4	-3
-2	-1	0
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
...		

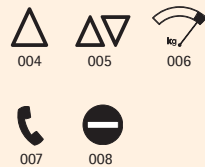
Symbols according to DIN 15325:



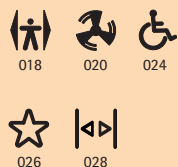
Symbols according to DIN 15325:



Symbols according to DIN 15325:



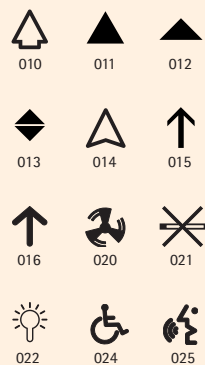
Further available symbols:



Further available symbols:



Further available symbols:



STYLE

MT 42



pages I. 2. 4 - I. 2. 15

TYPE

- MT 42 VI
- MT 42 VII
- MT 42 VIII / IX
- MT 42 2M XI
- MT 42 VIII / IX bishade
- MT 42 VIII bicolour
- MT 42 fb

- MT 42 XII
- MT 42 2M XIV

(TOUCH) PLATE

- st. steel, matt
- st. steel, black
- st. steel, matt
- st. steel, black

STYLE

MA 42



pages I. 2. 17 - I. 2. 28

- MA 42 M VII
- MA 42 M VIII
- MA 42 M XII
- MA 42 P VII
- MA 42 P VIII
- MA 42 P XII

- MA 42 P VII LC
- MA 42 P VIII LC

- MA 42 W VII
- MA 42 W IX
- MA 42 W XII

- st. steel, matt
- st. steel, black
- crystal clear
- red
- crystal clear

- st. steel, matt

STYLE

RT 42



pages I. 2. 32 - I. 2. 45

- RT 42 VIII / IX (wg)
- RT 42 2M XI
- RT 42 ZT
- RT 42 VIII/IX bishade (wg)
- RT 42 VIII bicolour (wg)

- st. steel, matt
- st. steel, black

STYLE


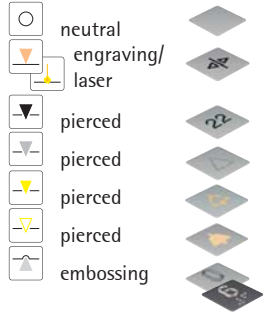





RA 42




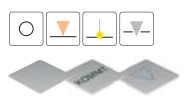







pages I. 2. 47 - I. 2. 53

- RA 42 (wg)
- RA 42 LC (wg)
- RA 42 W


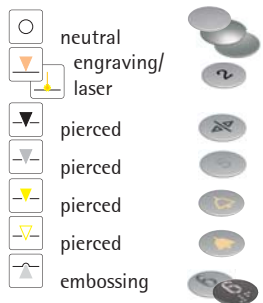




- crystal clear red
- crystal clear
- st. steel, matt

HOUSING (RIM)	LED (U in V)	LED-COLOUR	MARKING	ORIENTATION	NORM	MARKING RING/ FRAME
st. steel, polished	30 AC/DC option: 12 AC/DC					marking ring  frame  frame plastic 
st. steel, polished	12 ... 30 AC/DC option: 30 ... 48 AC/DC					 I. 2. 80 - I. 2. 81







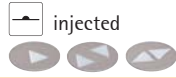
ORDER EXAMPLE *MT 42 IX, touch plate st. steel, matt, LED 12 V, blue, neutral*

st. steel, polished	30 AC/DC option 12 AC/DC 12 ... 30 AC/DC option: 30 ... 48 AC/DC					
st. steel, polished	30 AC/DC option 12 AC/DC 12 ... 30 AC/DC option: 30 ... 48 AC/DC					
st. steel, polished	3 ... 30 DC					
st. steel, polished	30 AC/DC option: 12 AC/DC 12 ... 30 AC/DC option: 30 ... 48 AC/DC					

ORDER EXAMPLE *MA 42 P VII, plate red, LED 30 V, red, film negative "symbol 006"*

st. steel, polished	30 AC/DC option: 12 AC/DC					marking ring  frame 
						 I. 2. 82

ORDER EXAMPLE *RT 42 2M XI, touch plate st. steel, matt, LED 30 V, red, embossing "symbol 003", frame*

st. steel, polished	30 AC/DC option: 12 AC/DC					
	3 ... 30 DC					
	30 AC/DC option: 12 AC/DC					

ORDER EXAMPLE *RA 42, plate crystal clear, LED 30 V, red, film positive "LIFT"*