

■ Pushbuttons, Selector Switches, Pilot Lights, Buzzers

● Pushbutton, selector switches, emergency stop pushbutton switches (AR, AG, AM series)

Type	Specification					EN/IEC/ others	TÜV license No.	CE marking
	Panel cutting	Classification	Withstand voltage	Continuous current	Operational current [A]			
AR22	ø22.3	Pushbutton (illuminated)	690V AC/DC	10A	- With selector ring, selector switch (3/4/5 notches), illuminated selector switch (3 notches)	Conforming to EN60947-5-1	R9551062	Done (on nameplate)
		Selector (illuminated)						
AR30	ø30.5	Pushbutton (illuminated)	690V AC/DC	10A	- With selector ring, selector switch (3/4/5 notches), illuminated selector switch (3 notches)	Conforming to EN60947-5-1	R9551062	Done (on nameplate)
		Selector (illuminated)						
AG28	□27.5	Pushbutton	690V AC/DC	10A	- With selector ring, selector switch (3/4/5 notches), illuminated selector switch (3 notches)	Conforming to EN60947-5-1	R9551062	Done (on nameplate)
		Selector						
AM22	ø22.3	Pushbutton	690V AC/DC	10A	- With selector ring, selector switch (3/4/5 notches), illuminated selector switch (3 notches)	Conforming to EN60947-5-1	R9551062	Done (on nameplate)
		Selector						
		Emergency stop pushbutton (illuminated)	690V AC/DC	10A	- Other than above	Conforming to EN60947-5-1/ EN60947-5-5	R50028146 VGE, VGF R50028137	Done (on nameplate)
		(With trigger action mechanism With forced opening mechanism)						

● Pilot lights, buzzers (DR, DG, DM series)

Type	Specification		EN/IEC/ others	TÜV license No.	CE marking
	Panel cutting	Withstand voltage			
DR22	ø22.3	690 V AC/DC (Without transformer 300V)	Conforming to EN60947-5-1	R9551061	Done (on inner packing case and nameplate)
DR30	ø30.5				
DG28	□27.5				
DM22	ø22.3				

● Pushbutton switches, selector switches, emergency stop pushbutton switches (AH164, AH165, AH165-2, AH225, AG, AR22A, AR30A series)

Type	Specification					EN/IEC/ others	TÜV license No.	CE marking												
	Panel cutting	Classification	Withstand voltage	Continuous current	Operational current [A]															
AH164	ø16.2	Pushbutton	250V AC/DC	5A	<table border="1"> <tr> <td>Class</td> <td>100-120V</td> <td>200-240V</td> </tr> <tr> <td>AC-15</td> <td>0.3 A</td> <td>0.3 A</td> </tr> <tr> <td>AC-13</td> <td>1.0 A</td> <td>0.7 A</td> </tr> <tr> <td>AC-12</td> <td>1.5 A</td> <td>1.0 A</td> </tr> </table>	Class	100-120V	200-240V	AC-15	0.3 A	0.3 A	AC-13	1.0 A	0.7 A	AC-12	1.5 A	1.0 A	Conforming to EN60947-5-1	R9250087	Done (on nameplate)
		Class				100-120V	200-240V													
AC-15	0.3 A	0.3 A																		
AC-13	1.0 A	0.7 A																		
AC-12	1.5 A	1.0 A																		
Selector	R9250088																			
AH165		Pushbutton	250V AC/DC	5A	<table border="1"> <tr> <td>Class</td> <td>24V</td> <td>100-125V</td> </tr> <tr> <td>DC-13</td> <td>0.7A</td> <td>0.15 A</td> </tr> <tr> <td>DC-12</td> <td>1.0 A</td> <td>0.2 A</td> </tr> </table>	Class	24V	100-125V	DC-13	0.7A	0.15 A	DC-12	1.0 A	0.2 A	Conforming to EN60947-5-1	R9250087	Done (on nameplate)			
		Class				24V	100-125V													
DC-13	0.7A	0.15 A																		
DC-12	1.0 A	0.2 A																		
Selector	R9250088																			
AH165-2		Pushbutton	250V AC/DC	5A	<table border="1"> <tr> <td>Class</td> <td>24V</td> <td>100-125V</td> </tr> <tr> <td>DC-13</td> <td>0.7A</td> <td>0.15 A</td> </tr> <tr> <td>DC-12</td> <td>1.0 A</td> <td>0.2 A</td> </tr> </table>	Class	24V	100-125V	DC-13	0.7A	0.15 A	DC-12	1.0 A	0.2 A	Conforming to EN60947-5-1	R9250087	Done (on nameplate)			
		Class				24V	100-125V													
DC-13	0.7A	0.15 A																		
DC-12	1.0 A	0.2 A																		
Selector	R9250088																			
AH225	ø22.3	Pushbutton	250V AC/DC	5A	<table border="1"> <tr> <td>Class</td> <td>24V</td> <td>100-125V</td> </tr> <tr> <td>DC-13</td> <td>0.7A</td> <td>0.15 A</td> </tr> <tr> <td>DC-12</td> <td>1.0 A</td> <td>0.2 A</td> </tr> </table>	Class	24V	100-125V	DC-13	0.7A	0.15 A	DC-12	1.0 A	0.2 A	Conforming to EN60947-5-1	R9250087	Done (on nameplate)			
		Class				24V	100-125V													
DC-13	0.7A	0.15 A																		
DC-12	1.0 A	0.2 A																		
Selector	R9250088																			
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		Class				24V	100-125V													
DC-13	0.7A	0.15 A																		
DC-12	1.0 A	0.2 A																		
Selector	R9250088																			
AR22A	ø22.3	Joy stick selector switches	250V AC/DC	5A		Conforming to EN60947-5-1	R2050803	Done (on inner packing case and nameplate)												
AR30A	ø30.5	Joy stick selector switches	250V AC/DC	5A		Conforming to EN60947-5-1	R2050803	Done (on inner packing case and nameplate)												

● Pilot lights (AH164, AH165 series)

Type	Specification		EN/IEC/ others	TÜV license No.	CE marking
	Panel cutting	Withstand voltage			
AH164	ø16.2	250 V AC/DC	Conforming to EN60947-5-1	R9250089	Done (on nameplate)
AH165					

● Buzzers (AH164, AH165 series)

Type	Specification		EN/IEC/ others	TÜV license No.	CE marking
	Panel cutting	Withstand voltage			
AH164-TX2	ø16.2	60 V AC/DC	Conforming to EN60947-5-1	J9950092	Done (on nameplate)
AH165-X					

● Lock ring

Type	Applicable type	Remarks
AHX2601	AH165-2	- Conforms to "prevent stationary part from rotating", a EN60204-1 requirement.
AHX082	AR30	
AR9Y715	AR22	

● Terminal cover

Type	Applicable type	Remarks
AHX2602	AH164, 165, 165-2	- Makes it easy "to secure IP2X", a requirement of EN60204-1.
AHX823	AH164, 165 With transformer	

Notes 1: Types AR22, AR30, AM22, DR22, DR30 and DM22: "Products with IP2X-compatible terminal (specify ZB at the end of the type)" are provided as special products.

2: The AR22VGE/AR22VGF type is provided with IP2X contact as the standard feature.