

## ADVANCE 2 Series

### Interlocked switch socket outlets

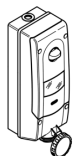
#### No. Reference SERIES

**560 – 561**  
**562 – 563 – 564**  
**565 – 566**  
**567 – 568 – 569**

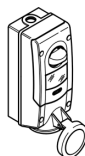
#### Versions



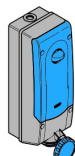
Without fuse carrier



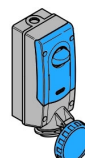
With DIN rail  
(6 modules)



With fuse carrier



With DIN rail  
(6 modules) - HD



With fuse carrier - HD



Extra-low voltage

#### Reference standards

Standards: **EN 60309-1 (1999)**  
**EN 60309-2 (1999)**

#### Marking

Marking: **CE Marking** 

#### Quality marks



#### TECHNICAL characteristics:

Rated current: **16A-32-63A**  
Rated voltage: **100÷690V~**  
Frequency: **c.c. - 50÷690Hz**  
Insulating voltage: **500/690V~**  
Protection degree: **IP44-IP67**  
Operating temperature according to the reference standard: **-25°C+40°C**  
Max operating temperature: **60°C**  
Glow Wire test: **650°C/850°C**  
Material: **Engineering plastic**  
IK degree at 20°C: **IK07**  
Cabler inlet: **METRIC**  
Fuse-carriers: **gG 10,3x38mm (16-32A)**  
**Neozed type D02 (63A)**  
Colour: **Standard socket**  
Grey RAL 7035 front side and smoke-grey plate  
**Heavy Duty socket**  
Blue RAL 5015 front side and dark grey RAL 7004 body

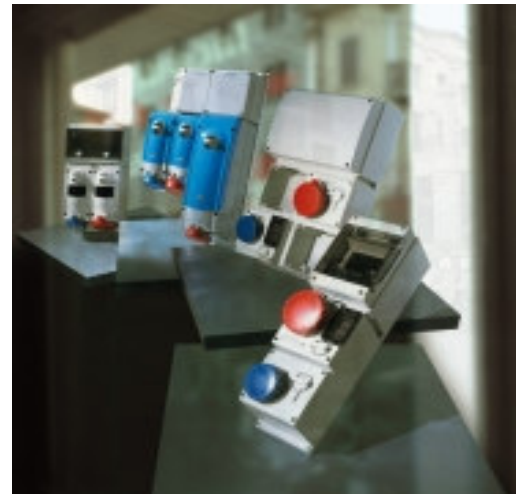
#### CABLING operations

##### Cabling capacity of the terminals (mm<sup>2</sup>)

Rated voltage	Rated current (A)	Socket outlets	
		Min	Max
Over 50V	16A	1,5	4
	32A	2,5	10
	63A	6	25
50V or less	16A	4	10
	32A	4	10

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### Interlocked switch socket outlets



#### No. Reference SERIES

**560 – 561**  
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**565 – 566**  
**567 – 568 – 569**

#### Behaviour with CHEMICAL and ATMOSPHERIC AGENTS (Standard socket)

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
RESISTANT	LIMITED RESISTANCE	RESISTANT	LIMITED RESISTANCE	RESISTANT	NOT RESISTANT	NOT RESISTANT	NOT RESISTANT	LIMITED RESISTANCE	RESISTANT	RESISTANT

#### Behaviour with CHEMICAL and ATMOSPHERIC AGENTS (HD socket)

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
RESISTANT	LIMITED RESISTANCE	RESISTANT	LIMITED RESISTANCE	RESISTANT	RESISTANT	LIMITED RESISTANCE	NOT RESISTANT	RESISTANT	RESISTANT	RESISTANT

#### Technical data ROTARY SWITCHES

						With fuse		Without fuse				
						16A	32A	16A	32A	63A		
Rated insulation voltage Ui	Vac					690	690	690	690	690		
						Vdc	400	400	400	400	-	
Rated impulse withstand voltage Uimp					kV	4	4	4	4	8		
Thermal current Ith					A	25	32	30	40	63		
Thermal current Ithe					A	25	32	30	40	63		
Nominal current rating Ie	AC21A	Resistive loads, including moderate overloads	400V	A	-	-	-	-	-	-		
			500V		-	-	-	-	-			
			690V		25	32	30	32	63			
	AC22A	Mixed resistive and inductive loads, including moderate overloads	400V	A	-	-	-	-	-	-		
			500V		-	-	-	-	-			
			690V		20	32	20	32	63			
	AC23A	Switching off motor loads or other highly inductive loads (3 phase/3 pole)	400V	A	-	-	-	-	-	50		
			500V		-	-	-	-	40			
			690V		16	25	16	25	30			
	AC3	Squirrel-cage motor: starting, switching off motor during running (3 phase/3 pole)	400V	A	-	28,5	-	28,5	-	40		
			690V		12	20	12	20	25			
	DC21A	Resistive loads, including Moderate overloads	300V	A	25	32	25	32	-	-		
250V			20		32	20	32	-				
Short-circuit protection:	Rated short-time withstand current Icw (s)	A				400	400	400	400	1500		
						Conditional short-circuit current	kA	10	10	10	10	10
						Associate fuse size for conditional short-circuit current – Type gG	500V	A	16	32	16	32
Permissible wire gauge:	Rated short-circuit making capacity Icm	A				1500	1500	1500	1500	2850		
						Flexible wire	mm <sup>2</sup>	1.5-10	1.5-10	1.5-10	1.5-10	10-35
							AWG	16-8	16-8	16-8	16-8	8-2
						Rigid wire	mm <sup>2</sup>	1.5-16	1.5-16	1.5-16	1.5-16	10-35
							AWG	16-6	16-6	16-6	16-6	8-2