



UL LISTED: E238171, E238172 US





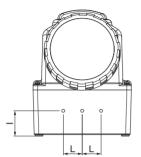
Α	Poles & Wires	Configuration			Voltage/	
		Receptacle/ Connector	Plug/ Inlet	Clock position	Color Coding	With base
	2P 3W	$\bigcirc$	$\odot$	6h	250	SCM360MI6W
	2P 3W	$\odot$	$\odot$	7h	480	SCM360MI7W
60	3P 4W	$\odot$	$\odot$	7h	3ø480	SCM460MI7W
	3P 4W	$\odot$	$\odot$	9h	3ø250	SCM460MI9W
	3P 4W	$\bigcirc$	$\odot$	5h	3ø600	SCM460MI5W
	4P 5W		$\odot$	7h	3øY277/408	SCM560MI7W
	4P 5W		$\odot$	9h	3øY120/208	SCM560MI9W
	4P 5W	$\bigcirc$	$\odot$	5h	3øY347/600	SCM560MI5W

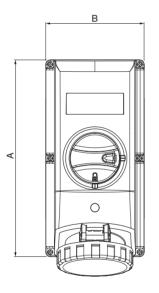
## SCAME

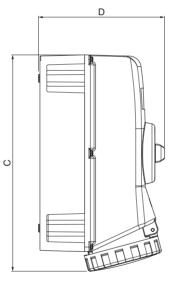


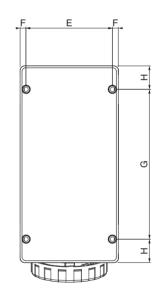
## **ADVANCE-GRP System**

## DIMENSIONS - SOCKET OUTLETS ADVANCE-GRP 20A-30/32A-60A









VERSION	Amp.	Α	В	С	D	Е	F	G	н	I	L
2P+E	20A	260	130	280	167	114	8	198	31	33.5	25
3P+E	20A	260	130	282	167	114	8	198	31	33.5	25
3P+N+E	20A	260	130	282	167	114	8	198	31	33.5	25
2/3P+E	30/32A	260	130	285	167	114	8	198	31	33.5	25
3P+N+E	30/32A	260	130	286	167	114	8	198	31	33.5	25
2P+E	60A	380	170	420	206	150	10	310	35	40	32.5
3P+E	60A	380	170	420	206	150	10	310	35	40	32.5
3P+N+E	60A	380	170	420	206	150	10	310	35	40	32.5





### UNFUSED MECHANICAL INTERLOCKS



#### QUALITY MARKS

UL LISTED: E238171, E238172 C



In accordance with the National Electrical Code (NEC) a disconnecting means must be located in sight from the motor and the driven machinery location. The disconnection means must be marked "Suitable as Motor Disconnect" in compliance with UL508 (old version) or UL 60947-4-1 (new version) standard.

US

Advance GRP series includes the disconnect switch listed as "Suitable as Motor Disconnect" and receptacle in a single compact device made in the outstanding impact, heat and fire and chemical resistant GRP material. The Prewired switch and Interlocked Receptacles provides safety and reliability thanks to its double mechanical interlock which prevents making and breaking of power under load.

The switch can be turned "ON" only when an IEC compatible plug is completely engaged and the plug cannot be removed until the switch is in the OFF position. Furthermore, it prevents dangerous incomplete plug insertion from lazy connections.

The non-metallic heavy duty enclosure in GRP material guarantees extreme impact and mechanical resistance even against misuses and accidental impacts; very frequent in surface mounting devices. The enclosure is also resistant to chemical substances and atmospheric agents.

Its dielectric features increases electric safety and can be connected to the metallic conduit and by the internal pre-wired grounding plate and doesn't obstruct the ground continuity.

The robust and ample handle can be padlocked in ON and OFF positions and can be used as a method of compliance with the OSHA Lockout/Tagout regulation. Its ergonomic design and dimension allows it to be operated even if workers are wearing gloves.

There is clear indication of the position of the contacts switch by the high visibility handle along with a LED light located on the front of the device which shows if the receptacle is powered.

Door interlock allows the cover to be removed only when the switch is in the OFF position.

### REFERENCE STANDARDS

#### EN 60309-1

Plugs, socket outlets and couplers for industrial purposes. Part 1: general requirements.

#### EN 60309-4

Plugs, socket-outlets and couplers for industrial purposes. Part 4: Switched socket-outlets and connectors with or without interlock.

#### UL 1682

Plugs, receptacles and cable connectors of the pin and sleeve type.

#### UL 1686

Standard for pin and sleeve configuration.

#### EN 60947-3

Low voltage switchgear and controlgear. Part 3: switches, disconnectors, switch-disconnectors and fuse-combination unit.

UL 508 (NON-FUSED)

Industrial control equipement.

#### UL 60947-4-1

Low voltage switchgear and controlgear. Part 4-1: contactors and motor-starters: Electromechanical contactors and motor-starters.

### TECHNICAL CHARACTERISTICS

Rated current:	20A-30A-60A
Rated voltage:	100÷600V~
Frequency:	50÷60Hz
Insulating voltage:	500/690V~
Protection degree:	IP66/IP67/IP69 (UL 94 type 3R, 4/4X, 12)
Operating ambient temperature according to the reference standard:	-25°C +40°C
Minimum operating ambient temperature:	-40°C
Max. operating ambient temperature:	+70°C
Self-extinguishing GW test:	960°C
Self-extinguishing UL94:	V0
Material:	Thermosettting
IK degree at 20°C:	IK10 (20J)
Colour:	Grey RAL7037





### **TERMINAL CAPACITY**

Wire size range	20/30A	60A	
Switch / ground / neutral	16-6 AWG (1.5÷10mm²)	6-1 AWG (10÷35mm <sup>2</sup> )	
Auxiliary contact	10-18 AWG	(1.5÷10mm²)	

### **TERMINAL TORQUE**

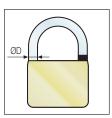
	20/30A	60A
Switch	0.8 Nm (7 lb∙in)	3.6 Nm (32 lb∙in)
Ground / neutral	0.8 Nm (7 lb∙in)	1.5 Nm (13 lb∙in)
Auxilary contact	0.8 Nm (7 lb∙in)	0.8 Nm (7 lb∙in)
Pilot	_	0.8 Nm (7 lb∙in)

### PADLOCK TO BE USED

Choice of padlock for socket knob,

fuse door and switchboard doo	or
-------------------------------	----

Rated current (A)	Ø D (mm)
20/30	5
60	6,3



### SWITCH DISCONNECTORS ELECTRICAL DATA ACCORDING TO UL 508

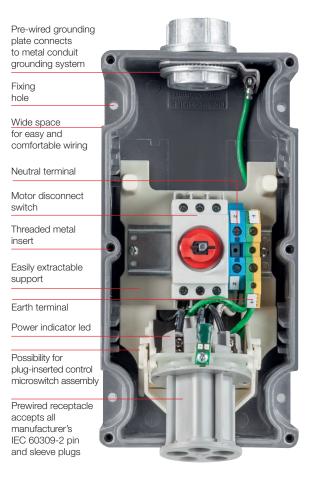
Gener	ral purpose amp rating	20A	30A	60A		
Max o	Max operating voltage V				600	600
		120V	Hp	3	3	5
		240V	Hp	5	7.5	15
Max. horsepower ratings	Three phase	415V	Hp	7.5	10	25
		480V	Hp	10	20	30
norsepo ratings		600V	Hp	15	25	40
ч 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		120	V	2	3	5
Ma	Single phase	240	V	3	5	10
		480	V	10	15	20
ratings with fuse	Fuse RK5 (time delay)	(A) rms	5000	5000	5000	
	Fuse class J (fast-acting)	(A) rms	10000	10000	10000	
Maximum fuse size			A	40	40	80
Vin ele	ectrical endurance (with rated current)		ON/OFF cycles	6000	6000	6000





### TECHNICAL CHARACTERISTICS 20A-30A-60A VERSIONS

<text><text>







### TECHNICAL CHARACTERISTICS 20A-30A-60A VERSIONS







### MOUNTING INSTRUCTION

