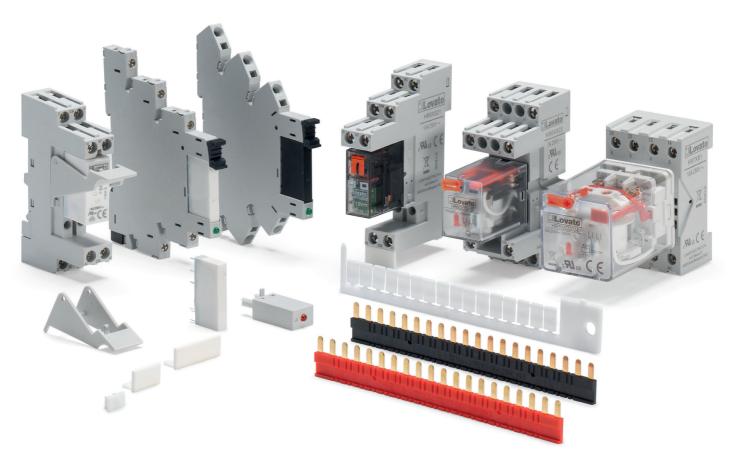
GENERAL PURPOSE RELAYS









General purpose relays

General purpose relays are designed to control various types of loads inside machines, simple or very complex systems and plants.

They can command contactors, electrovalves, electric actuators, resistors, indicator lights, etc. General purpose relays are controlled by PLC or by the electronic control devices of machines and plants. These have contacts with reduced power; the relays have the purpose to increase power and multiply the command.

Another advantage of general purpose relays is PLCs and electronic control devices protection from damage due to possible short circuits on controlled loads. In fact, an industrial relay damaged by short circuit can be replaced in a few seconds at a minimum cost compared to a long machine shutdown at high cost in the case of damage to the internal contacts of a PLC.

HR10

Electromechanical slim relays

- · Socket width 6.2mm
- 1 changeover contact
- Ith rated current 6A
- Sockets with built-in LED
- Sockets with screw or spring terminals
- Control voltage from 12 to 230VAC/DC
- 20 poles parallel busbars
- Available version with relay factory assembled on the socket.

HR30 Miniature relays

- Socket width 15.8mm
- 1 or 2 changeover contacts
- Ith rated current:
- 1 contact: 10A (16A on PCB)
- 2 contacts: 8A
- AC or DC control voltage
- Sockets with screw, spring or pins for PCB terminals
- 8 poles parallel busbars
- Small dimensions
- Can be used for direct mounting on PCB
- Snap-on surge suppressor filters.

<u>HR50</u>

Miniature relays with LED state indicator and mechanical actuator

- Socket width 15.8mm
- 1 or 2 changeover contacts
- Ith rated current:
- 1 contact: 10A (16A on PCB)
- 2 contacts: 8A
- LED and mechanical state indicator
- Mechanical test actuator with latch option
- AC or DC control voltage
- Sockets with screw, spring or pins for PCB terminals
- 8 poles parallel busbars
- Can be used for direct mounting on PCB.
- Snap-on surge suppressor filters.

HR70

Industrial relays with LED state indicator and mechanical actuator

- Socket width 38mm
- 8-pin or 11-pin industrial relay
- 2 or 3 changeover contacts
- Ith rated current: 10A
- LED and mechanical state indicator
- Mechanical test actuator with latch option.





HR20

SSR (solid state relay) slim relays

- Socket width 6.2mm
- 1 solid-state (SSR) output
- Output current 2A in AC and 4A in DC
- Sockets with built-in LED
- Sockets with screw or spring terminals
- Control voltage 24VDC
- 20 poles parallel busbars
- · High switching speed
- Theoretically infinite electrical life
- · Zero crossing.



HR40 Miniature relays

in clear enclosure

- Socket width 15.8mm
- 1 or 2 changeover contacts
- Ith rated current:
- 1 contact: 10A (16A on PCB)
- 2 contacts: 10A
- DC control voltage
- Sockets with screw, spring or pins for PCB terminals
- 8 poles parallel busbars
- Clear enclosure for contacts visibility
- Can be used for direct mounting on PCB
- Snap-on surge suppressor filters.

HR60

Industrial relays

with LED state indicator and mechanical actuator

- Socket width 27mm
- 2 or 4 changeover contacts
- Ith rated current:
- 2 contacts: 7A
- 4 contacts: 5A
- LED and mechanical state indicator
- Mechanical test actuator with latch option
- AC or DC control voltage
- Sockets with screw or spring terminals
- Snap-on surge suppressor filters.







			SLIM I	RELAYS			
Relays							
	Contacts		1 change	eover		1 SSR (solid	d state relay)
Rat	ted current		6A			2A (AC)	4A (DC)
Cont	rol voltage						
	312VAC/DC		HR101CE012				
	324VAC/DC	HRA101CE024 HRA101CE024S O	HR101CE024				
	24VDC	IIIATOTOLOLTO				HR201AS024	HR201DS024
2 110	125VAC/DC			HR101CE060			
2 220	240VAC/DC				HR101CE060		
Sockets							
SUGRGIS							
		Relè assemblato					
		su zoccolo					
Scr							
Scr	rew terminals		HR1XS024	HR1XS110	HR1XS230	HR1XS024	HR1XS024
Spri	ing terminals		HR1XS024S	HR1XS110S	HR1XS230S	HR1XS024S	HR1XS024S
ορ.·	9		<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
Retaining clips							
		Included in the	Included in the	Included in the	Included in the	Included in the	Included in the
		socket	socket	socket	socket	socket	socket
Marker tags							
	Single	HR1X30	HR1X30	HR1X30	HR1X30	HR1X30	HR1X30
	Strip with						
THE THEFT S	16 plates	HR1X3016	HR1X3016	HR1X3016	HR1X3016	HR1X3016	HR1X3016
Parallel busbars							
Paraner Duswars							
	0 1	HB4V00CC	IID4V0C00	IIB4V0CCC	IID4V0CCC	IID4V0000	IID4V0CCC
2	O poles black	HR1X9020	HR1X9020	HR1X9020	HR1X9020	HR1X9020	HR1X9020
inhibite a co							
in in the state of	20 poles red	HR1X9120	HR1X9120	HR1X9120	HR1X9120	HR1X9120	HR1X9120





Relays	MINIATURE RELAYS				
	Contacts	1 changeover	2 changeover		
	Rated current	16A 4	8A		
	Control voltage				
	12VDC	HR301CD012	HR302CD012		
28ANC	24VDC	HR301CD024	HR302CD024		
€ H	48VDC	HR301CD048	HR302CD048		
SAN IN SA	24VAC	HR301CA024	HR302CA024		
	110120VAC	HR301CA110	HR302CA110		
	230VAC	HR301CA230	HR302CA230		

		3 3			
	MINIATURE RELAYS IN CLEAR ENCLOSURE				
Relays					
	Contacts	1 changeover	2 changeover		
	Rated current	16A 4	10A		
	Control voltage				
	12VDC	HR401CD012	HR402CD012		
	24VDC	HR401CD024	HR402CD024		

Sockets			
9 9 9 9 1: 9 9	Screw terminals with contact terminals on upper side	HR5XS21	HR5XS21
	Screw terminals	HR5XS22	HR5XS22
99	Spring terminals	HR5XS21S	HR5XS21S
	PIN terminals for Printed Circuit Board	HR5XS21P	HR5XS21P
Retaining c	lips		
H		HR3X88@	HR3X88@
		HR3X86	HR3X86©
Marker tag	s@		
	Single	HR5X30	HR5X30

Sockets			
9 9 9 9 11: 9 9	Screw terminals with contact terminals on upper side	HR5XS21	<u>HR5XS21</u>
	Screw terminals	HR5XS22	HR5X\$22
33	Spring terminals	HR5XS21S	HR5XS21S
E	PIN terminals for Printed Circuit Board	HR5XS21P	HR5XS21P
Retaining c	lips		
\vdash		HR5X88	HR5X88
H	571	HR5X86	HR5X86
	1-7	HR5X87©	HR5X87®
Marker tag	s6		
	Singola	HR5X30	HR5X30

Parallel	busbars@		
-	8 poles black	HR5X9008	HR5X9008
	2 poles	HR5X9002@	HR5X9002@
Surge su	ıppressor filters⊖		
Lo	RC - 624VAC/DC	HR6X77024	HR6X77024
	RC - 110230VAC/DC	HR6X77230	HR6X77230
	Diode + LED - 624VDC	HR6X78024	HR6X78024

Parallel	busbars(3		
ململما	hadrad .	8 poles black	HR5X9008	HR5X9008
		2 poles	HR5X9002@	HR5X9002@
Surge su	uppresso	r filters ©		
- fra	RC	- 624VAC/DC	HR6X77024	HR6X77024
	RC - 1	10230VAC/DC	HR6X77230	HR6X77230
	Diode +	FD - 624VDC	HR6X78024	HR6X78024



MINIATURE RELAYS WITH LED STATE INDICATOR AND MECHANICAL ACTUATOR

	Contacts	1 changeover	2 changeover
	Rated current	16A 4	8A
	Control voltage		
Table 1	12VDC	HR501CD012	HR502CD012
	24VDC	HR501CD024	HR502CD024
0.0	48VDC	HR501CD048	HR502CD048
24/00	110VDC	HR501CD110	HR502CD110
	24VAC	HR501CA024	HR502CA024
	110120VAC	HR501CA110	HR502CA110
	230VAC	HR501CA230	HR502CA230

Sockets			
	Screw terminals with contact terminals on upper side	HR5XS21	<u>HR5XS21</u>
	Screw terminals	HR5XS22	HR5XS22
99	Spring terminals	HR5XS21S	HR5XS21S
0	PIN terminals for Printed Circuit Board	HR5XS21P	HR5XS21P
Dataining of			

	a on oak Board		
Retaining clips			
		HR5X88®	HR5X88®
F (7)		HR5X86 ©	HR5X86®
1	T	HR5X87@	HR5X87@
Marker tags ©			
	Single	HR5X30	HR5X30

Parallel I	busbars©				
سليل	8 poles black	HR5X9008	HR5X9008		
	2 poles	HR5X9002@	HR5X9002@		
Surge su	Surge suppressor filters@				
. fra	RC - 624VAC/DC	HR6X77024	HR6X77024		
,.	RC - 110230VAC/DC	HR6X77230	HR6X77230		
	Diode + LED - 624VDC	HR6X78024	HR6X78024		



INDUSTRIAL RELAYS WITH LED STATE INDICATOR AND MECHANICAL ACTUATOR

Relays

	Contacts	2 changeover	4 changeover
	Rated current	7A	5A
	Control voltage		
	12VDC	HR602CD012	HR604CD012
	24VDC	HR602CD024	HR604CD024
024-4Z*10	48VDC	HR602CD048	HR604CD048
24.00 (C)	12VAC	HR602CA012	HR604CA012
	24VAC	HR602CA024	HR604CA024
	110120VAC	HR602CA110	HR604CA110
	230VAC	HR602CA230	HR604CA230

SUCKERS
3 • 9 3 • 9 3 • 9

3 3	Screw terminals with contact terminals on upper side	HR6XS21	HR6XS41
99 3	Screw terminals	HR6XS22	HR6XS42
	Spring terminals	HR6XS21S	HR6XS41S

Retaining	

motaning on	Po		
H		HR6X88 Not suitable for sockets wiith spring terminals	HR6X88 Not suitable for sockets wiith spring terminals
		HR6X87	HR6X87



marker tags			
	Single	HR6X30	HR6X30
	Single	HR5X30	HR5X30
		Only for sockets with spring terminals	Only for sockets with spring terminals



cargo capprocess interest			
	RC - 624VAC/DC	HR6X77024	HR6X77024
	RC - 110230VAC/DC	HR6X77230	HR6X77230
	Diode + LED - 624VDC	HR6X78024	HR6X78024



HR7XS2



8-PIN AND 11-PIN INDUSTRIAL RELAYS WITH LED STATE INDICATOR AND MECHANICAL ACTUATOR

	Contacts	2 changeover	3 changeover
	Rated current	10A	10A
	Pin	8-pin	11-pin
	Control voltage		
The second	24VDC	HR702CD024	HR703CD024
	48VDC	HR702CD048	HR703CD048
	110VDC	HR702CD110	HR703CD110
	24VAC	HR702CA024	HR703CA024
	110120VAC	HR702CA110	HR703CA110
	230VAC	HR702CA230	HR703CA230
Sockets			
9999	8-pin Screw terminals	HR7XS1	
975575			

Retaining clips		
	HR7X87	HR7X87

- Final S in code indicates spring terminals.
- 2 Voltage dependent on selected relay socket. Rated voltage for relay only: 60VDC.

11-pin

Screw terminals

- 3 AC voltage only if linked to socket.
- Rated current if the relay is soldered directly onto PCB; with socket the maximum current is 10A.
- Only mounting on socket HR5XS21P.
- **6** Not suitable for <u>HR5XS21P</u> socket.
- Only for spring terminals.

ITALY

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