



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick

+44 (0) 191 410 4292

www.heatingandprocess.com

RETTBOX®



**ELECTROMAGNETIC
SELF-EJECT
DECONTACTOR™**



20 A/32 A

- ▶ For all types of emergency vehicles
- ▶ DECONTACTOR™ for power supply with secure/automatic ejection RETTBOX® or power supply with compressed air RETTBOX®-Air
- ▶ AISI 316 L stainless steel housing with electromagnetic coil (12 V DC-24 V DC)
- ▶ Automatic ejection of the coupler socket upon start-up of the vehicle
- ▶ 5 pin connector for Anti-start function
- ▶ Voltage presence indicator
- ▶ RETTBOX®-Air : Compressed air supply up to 13 bar
- ▶ More than 10,000 matings tested

MAIN FEATURES

	RETTBOX® (20 A)	RETTBOX®-air (20 A)	RETTBOX® (32 A)	RETTBOX®-air (32 A)
Front	stainless steel	stainless steel	stainless steel	stainless steel
Box	glassfiber reinforced polyamide	glassfiber reinforced polyamide	stainless steel	stainless steel
Protection mode (trapdoor closed)	IP55	IP55	IP55	IP55
Self-closing coupler socket	IP55	IP55	IP55	IP55
Front dimensions (LxH) in mm	114 x 184	114 x 184	132 x 188	132 x 188
Cut-out dimensions on vehicle's frame (LxHxP) in mm	83 x 163 x 94	83 x 163 x 94	103 x 173 x 145	103 x 173 x 145
Coupler socket cable supplied	4 m	4 m*	4 m	4 m*
Auxiliary contacts (optional)	2 aux	no	3 aux	3 aux
Weight (excluding coupler socket)	1 200 g	1 200 g	3 200 g	3 200 g
Built-in decontactor	20 A	20 A	32 A	32 A
Compressed air duct	no	up to 13 bars	no	up to 13 bars
Cable	flexible	flexible	flexible	flexible

* with duct for compressed air

Self-closing sliding cover

Self-closing socket cover

Male inlet
2 to 6 contacts

Insulated housing made of
Glassfiber reinforced polyamide*
* RETTBOX®-Air 32 A made of
stainless steel AISI 316 L

Coupler socket made of
Glassfiber reinforced PBT

Electric lifting magnet 12/24 V
providing automatic ejection
when the engine is started

RETTBOX®-Air :

Compressed air

Power and compressed air
in one device

ENSURE SPEED AND SAFETY

- 1 Loading box connected to the electrical system of the vehicle.
- 2 Automatic ejection of the coupler socket upon start-up of the vehicle by way of an electric lifting magnet.
- 3 Protection against water and dust by means of a self-closing cover.



switched off
= charge

Starting
= ejection



= protection

INFOS +



ENCLOSURE WITH INLET **RETTBOX®**



Box
6116015RK412U

COUPLER SOCKET **RETTBOX®**



Coupler socket
6113015RK4L

RETTBOX® (20 A)

ENCLOSURE WITH INLET
supplied with 4 m cable
(other length of cable on request)



COUPLER SOCKET
pre-wired, cable
4 m included



230 V AC	1P+N+E	RETTBOX® with 12 V relay and male inlet	6116015RK412U	6113015RK4L
230 V AC	1P+N+E	RETTBOX® with 24 V relay and male inlet	6116015RK424U	6113015RK4L
400 V AC	3P+N+E	RETTBOX® with 12 V relay and male inlet	6116017RK412U	6113017RK4L
400 V AC	3P+N+E	RETTBOX® with 24 V relay and male inlet	6116017RK424U	6113017RK4L
230 V AC	1P+N+E+2 aux.	RETTBOX® with 12 V relay and male inlet	6116175RK412U	6113175RK4L
230 V AC	1P+N+E+2 aux.	RETTBOX® with 24 V relay and male inlet	6116175RK424U	6113175RK4L
12 V AC	2P DC*	RETTBOX® with 12 V relay and male inlet	6116059RK412U	6113059RK4L
24 V AC	2P DC*	RETTBOX® with 24 V relay and male inlet	6116089RK424U	6113089RK4L

*LED not available for these configurations

RETTBOX®-Air (20 A)

ENCLOSURE WITH INLET
supplied with 4 m cable (other length of cable on request) - compressed air conduct up to 13 bars



COUPLER SOCKET
pre-wired, cable
4 m included



230 V AC	1P+N+E	RETTBOX® with 12 V relay and male inlet	6116015AK412U	6113015AK4L
230 V AC	1P+N+E	RETTBOX® with 24 V relay and male inlet	6116015AK424U	6113015AK4L
12 V AC	2P DC*	RETTBOX® with 12 V relay and male inlet	6116059AK412U	6113059AK4L
24 V AC	2P DC*	RETTBOX® with 24 V relay and male inlet	6116089AK424U	6113089AK4L

*LED not available for these configurations

FIND ALL INFORMATION
ON OUR WEBSITE:



RETTBOX®
USER GUIDE

INFOS +

LED CONTROL LIGHT

RETTBOX® (20 A, 230 and 400 V) and RETTBOX®-Air (20 A, 230 V) feature a LED signal light that indicates the presence of charging voltage.





ENCLOSURE WITH INLET **RETTBOX®**



Box
3816187AK424U

COUPLER SOCKET **RETTBOX®**



Coupler socket
3813187AK4L

RETTBOX® (32 A)

ENCLOSURE WITH INLET
supplied with 4 m cable
(other length of cable on request)



COUPLER SOCKET
pre-wired, cable 4 m
included



230 V AC	1P+N+E+3 aux.	RETTBOX® with 24 V relay and male inlet	3816187RK424U	3813187RK4L
400 V AC	3P+N+E+1 aux.	RETTBOX® with 24 V relay and male inlet	3816247RK424U	3813247RK4L

RETTBOX®-Air (32 A)

ENCLOSURE WITH INLET
supplied with 4 m cable (other length of cable on
request) - compressed air conduct up to 13 bars



COUPLER SOCKET
pre-wired, cable 4 m
included



230 V AC	1P+N+E+3 aux.	RETTBOX® with 24 V relay and male inlet	3816187AK424U	3813187AK4L
400 V AC	3P+N+E+1 aux.	RETTBOX® with 24 V relay and male inlet	3816247AK424U	3813247AK4L

ADDITIONAL EQUIPMENT

LEATHER PULL-GRIP (coupler socket)



RETTBOX®	RETTBOX®-Air 20 A	RETTBOX®-Air 32 A
611AZIE	611AZIE	381AZIE

CEILING BRACKET made of stainless steel



RETTBOX®	RETTBOX®-Air 20 A	RETTBOX®-Air 32 A
611AHUTRRR L	611AHUTAAA L	381AHUTAAA L

The ejecting socket is available with 5, 6, 7, 8 or 9 m of cable.
A ceiling bracket made of stainless steel is available.

DIMENSIONS

	A	B	C	D	E	F	G	H	J
RETTBOX® 20 A	184	114	184	89	114	163	94	152	83
RETTBOX®-Air 20 A	184	114	184	89	114	163	94	152	83
RETTBOX® 32 A	188	132	197	140	151	173	116	169	103
RETTBOX®-Air 32 A	188	132	197	140	151	173	116	169	103

