# DC power supplies





#### Valued Industrial Partner

With more than forty years of experience in the development, production and distribution of automation components, and with a core expertise in monitoring technology, TELE plays a leading role in the international market. TELE's strong position enables us to provide customers with a service that extends beyond our own range of products. The international TELE sales network therefore provides not only proven TELE products, but also products from other leading manufucturers in selected countries.

In response to the needs of customers, TELE is extending its customer service for implementing complex solutions with the "VIP – Valued Industrial Partner" program. Make sure you too benefit from TELE's many years of experience in the sector. In addition to developing, producing and distributing TELE brand products, TELE will also advise and assist you in procuring verified quality from selected partners.



#### Schrack Energy technology

Schrack offers in the field of energy technology, an extensive range of solutions offering efficient energy use, state-of-the-art communication technology, industrial applications, safety and comfort products. Within a strategic partnership between TELE and Schrack customers in the UK and Germany are able to order selected components of the Schrack range throughout the TELE distribution network.



#### Fibox housing

The Fibox housing range comprises more than 500 different standard housings made of polycarbonate, ABS, polyester and aluminium to protect electrical and electronic components and systems. Within the VIP program – Valued Industrial Partner TELE is the distributor in Austria and your first contact for all questions regarding Fibox.



#### **Rechner Sensors**

Many consider the name RECHNER as being synonymous with the capacitive sensor. This range includes capacitive, inductive, opto-electronic, calorimetric and magnetoresistive sensors. The product range is complemented by a selection of ATEX approved sensors, ancillary equipment and transistor-based signal amplifiers, control units and power supplies. TELE distributes products from this VIP partner in Austria.



- DIN rail mountable
- Overload and short ciruit protection
- Industrial housing

Тур	DRA05-05A	DRA10-05A	DRA18-05A
	V- V-  TOTAL MANA  C CN  Value A AD-1.	V-V-V- 13965 FAIS  Word ACO.	V V V V V V V V V V V V V V V V V V V
Part number	491410	491411	491412
		Input circuit	
Supply voltage	90-265VAC • 120-370VDC	90-265VAC • 120-370VDC	90-265VAC • 120-370VDC
Isolation Voltage	3kV	3kV	3kV
Inrush current	10A at 115VAC; 18A at 230VAC	10A at 115VAC; 18A at 230VAC	10A at 115VAC; 18A at 230VAC
		Output circuit	
Efficiency in%	69	73	75
Output power	5W	10W	15W
Output voltage	5VDC	5VDC	5VDC
Output current	1A	2A	3A
Tolerance	+/-1%	+/-1%	+/-1%
Ripple & noise	50mV	50mV	50mV
Outputs	1	1	1
Output voltage adjustable	-10 to +15%	-10 to +15%	-10 to +15%
Overload protection	110-135%	110-135%	110-135%
Overvoltage protection	125-145%	125-145%	125-145%
Short circuit protection	yes	yes	yes
LED	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON LED-indicator for DC LOW
PFC	-	-	-
Parallel function	-	-	-
		Mechanical design	
IP rating	IP 20	IP 20	IP 20
Mounting position	any	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	22,5 x 115 x 90mm	22,5 x 115 x 90mm	22,5 x 115 x 90mm
Cooling	Air-cooling *	Air-cooling *	Air-cooling *
Shockproof	VBG4	VBG4	VBG4
		Ambient conditions	
Operating temp. in °C	-10 to +71 • derating from +51 2%/°C	-10 to +71 • derating from +61 3%/°C	-10 to +71 • derating from +61 3%/°C
Certificates	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE

Recommended: 25mm free space to all sides



- DIN rail mountable
- Overload and short ciruit protection
- Industrial housing

9461	DIVA03-12A	DIVATO-12A	DIVA10-12A
	V V V V V V V V V V V V V V V V V V V	V-V-V- V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-	V- V-  13 Control (No. 1)  Control (No.
Part number	491418	491419	491422
		Input circuit	
Supply voltage	90-265VAC • 120-370VDC	90-265VAC • 120-370VDC	90-265VAC • 120-370VDC
Isolation Voltage	3kV	3kV	3kV
Inrush current	10A at 115VAC; 18A at 230VAC	10A at 115VAC; 18A at 230VAC	10A at 115VAC; 18A at 230VAC
		Output circuit	
Efficiency in%	72	75	77
Output power	5W	10W	18W
Output voltage	12VDC	12VDC	12VDC
Output current	0,4A	0,8A	1,5A
Tolerance	+/-1%	+/-1%	+/-1%
Ripple & noise	50mV	50mV	50mV
Outputs	1	1	1
Output voltage adjustable	-10 to +15%	-10 to +15%	-10 to +15%
Overload protection	110-135%	110-135%	110-135%
Overvoltage protection	125-145%	125-145%	125-145%
Short circuit protection	yes	yes	yes
LED	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON LED-indicator for DC LOW
PFC	<u>-</u>	-	-
Parallel function	<u>-</u>	-	-
		Mechanical design	
IP rating	IP 20	IP 20	IP 20
Mounting position	any	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	22,5x115x90mm	22,5x115x90mm	22,5x115x90mm
Cooling	Air-cooling *	Air-cooling *	Air-cooling *
Shockproof	VBG4	VBG4	VBG4
		Ambient conditions	
Operating temp. in °C	-10 to +71 • derating from +51 2%/°C	-10 to +71 • derating from +61 3%/°C	-10 to +71 • derating from +61 3%/°C
Certificates	UL/cUL • TÜV • CE • FCC	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE

Recommended: 25mm free space to all sides



Industrial housing for the switching cabinet and plant construction

- DIN rail mountable
- Overload and short ciruit protection

DRA05-15A

Industrial housing

тур	DRA05-15A	DRA10-15A	DRA18-15A
	V V V V V V V V V V V V V V V V V V V	V V V	V- V-  V- V-  V- V-  V-  V-  V-  V-  V-
Part number	491415	491414	491416
		Input circuit	
Supply voltage	90-265VAC • 120-370VDC	90-265VAC • 120-370VDC	90-265VAC • 120-370VDC
Isolation Voltage	3kV	3kV	3kV
Inrush current	10A at 115VAC; 18A at 230VAC	10A at 115VAC; 18A at 230VAC	10A at 115VAC; 18A at 230VAC
		Output circuit	
Efficiency in%	72	76	77
Output power	5W	10W	18W
Output voltage	15VDC	15VDC	15VDC
Output current	0,3A	0,7A	1,2A
Tolerance	+/-1%	+/-1%	+/-1%
Ripple & noise	50mV	50mV	50mV
Outputs	1	1	1
Output voltage adjustable	-10 to +15%	-10 to +15%	-10 to +15%
Overload protection	110-135%	110-135%	110-135%
Overvoltage protection	125-145%	125-145%	125-145%
Short circuit protection	yes	yes	yes
LED	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON LED-indicator for DC LOW
PFC	-	-	<u>-</u>
Parallel function	-	-	-
		Mechanical design	
IP rating	IP 20	IP 20	IP 20
Mounting position	any	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	22,5x115x90mm	22,5x115x90mm	22,5x115x90mm
Cooling	Air-cooling *	Air-cooling *	Air-cooling *
Shockproof	VBG4	VBG4	VBG4
		Ambient conditions	
Operating temp. in °C	-10 to +71 • derating from +51 2%/°C	-10 to +71 • derating from +61 3%/°C	-10 to +71 • derating from +61 3%/°C
Certificates	UL/cUL • TÜV • CE • FCC	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE

Recommended: 25mm free space to all sides



- DIN rail mountable
- Overload and short ciruit protection
- Industrial housing

1312	DIVA03-24A	DIVATO-24A	DIVATO-24A
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Part number	491420	491424	491425
		Input circuit	
Supply voltage	90-265VAC • 120-370VDC	90-265VAC • 120-370VDC	90-265VAC • 120-370VDC
Isolation Voltage	3kV	3kV	3kV
Inrush current	10A at 115VAC; 18A at 230VAC	10A at 115VAC; 18A at 230VAC	10A at 115VAC; 18A at 230VAC
		Output circuit	
Efficiency in%	72	76	77
Output power	5W	10W	18W
Output voltage	24VDC	24VDC	24VDC
Output current	0,2A	0,4A	0,8A
Tolerance	+/-1%	+/-1%	+/-1%
Ripple & noise	50mV	50mV	50mV
Outputs	1	1	1
Output voltage adjustable	-10 to +20%	-10 to +20%	-10 to +20%
Overload protection	110-135%	110-135%	110-135%
Overvoltage protection	125-145%	125-145%	125-145%
Short circuit protection	yes	yes	yes
LED	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON LED-indicator for DC LOW
PFC	-	-	
Parallel function	-	-	-
		Mechanical design	
IP rating	IP 20	IP 20	IP 20
Mounting position	any	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	22,5x115x90mm	22,5x115x90mm	22,5x115x90mm
Cooling	Air-cooling *	Air-cooling *	Air-cooling *
Shockproof	VBG4	VBG4	VBG4
		Ambient conditions	
Operating temp. in °C	-10 to +71 • derating from +51 2%/°C	-10 to +71 • derating from +61 3%/°C	-10 to +71 • derating from +61 3%/°C
Certificates	UL/cUL • TÜV • CE • FCC	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE

Recommended: 25mm free space to all sides



- DIN rail mountable
- Overload and short ciruit protection
- Industrial housing

Тур	DRAN30-05A	DRAN60-05A	DRAN30-12A	DRAN60-12A
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Part number	491576	491413	491572	491587
		Input	circuit	
Supply voltage	85-264VAC • 90-375VDC	85-264VAC • 90-375VDC	85-264VAC • 90-375VDC	85-264VAC • 90-375VDC
Isolation Voltage	3kV	3kV	3kV	3kV
Inrush current	20A at 115VAC; 40A at 230VAC	20A at 115VAC; 40A at 230VAC	20A at 115VAC; 40A at 230VAC	30A at 115VAC; 60A at 230VAC
		Output	circuit	
Efficiency in%	77	79	82	84
Output power	30W	60W	30W	60W
Output voltage	5VDC	5VDC	12VDC	12VDC
Output current	6A	10A	2,5A	5A
Tolerance	+/-1%	+/-1%	+/-1%	+/-1%
Ripple & noise	50mV	50mV	50mV	50mV
Outputs	1	1	1	1
Output voltage adjustable	5-5,5VDC	5-5,5VDC	12-14VDC	12-14VDC
Overload protection	110-140%	110-150%	110-140%	110-150%
Overvoltage protection	6 - 6,8VDC	6 - 6,8VDC	15 - 16,5VDC	15 - 16,5VDC
Short circuit protection	yes	yes	yes	yes
LED	LED-indicator for Power ON	LED-indicator for Power ON	LED-indicator for Power ON	LED-indicator for Power ON
PFC	-	-	-	-
Parallel function	-			-
		Mechanic	al design	
IP rating	IP 20	IP 20	IP 20	IP 20
Mounting position	any	any	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	40,5x115x90mm	40,5x115x90mm	40,5x115x90mm	40,5x115x90mm
Cooling	Air-cooling *	Air-cooling *	Air-cooling *	Air-cooling *
Shockproof	VBG4	VBG4	VBG4	VBG4
		Ambient o	conditions	
Operating temp. in °C	-10 to +71 • derating from +61 2,5%/°C	-10 to +71 • derating from +61 2,5%/°C	-10 to +71 • derating from +61 2,5%/°C	-10 to +71 • derating from +61 2,5%/°C
Certificates	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE

Recommended: 25mm free space to all sides



- DIN rail mountable
- Overload and short ciruit protection
- Industrial housing

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Part number	491476	491575
	Inpu	t circuit
Supply voltage	85-264VAC • 90-375VDC	85-264VAC • 90-375VDC
Isolation Voltage	3kV	3kV
Inrush current	20A at 115VAC; 40A at 230VAC	30A at 115VAC; 60A at 230VAC
	Outp	ut circuit
Efficiency in%	83	86
Output power	30W	60W
Output voltage	24VDC	24VDC
Output current	1,25A	2,5A
Tolerance	+/-1%	+/-1%
Ripple & noise	50mV	50mV
Outputs	1	1
Output voltage adjustable	24-28VDC	24-28VDC
Overload protection	110-140%	110-150%
Overvoltage protection	30 - 33VDC	30 - 33VDC
Short circuit protection	yes	yes
LED	LED-indicator for Power ON	LED-indicator for Power ON
PFC	-	-
Parallel function	-	-
	Mechan	ical design
IP rating	IP 20	IP 20
Mounting position	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	40,5x115x90mm	40,5x115x90mm
Cooling	Air-cooling *	Air-cooling *
Shockproof	VBG4	VBG4
	Ambien	t conditions
Operating temp. in °C	-10 to +71 • derating from +61 2,5%/°C	-10 to +71 • derating from +61 2,5%/°C
Certificates	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE

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- DIN rail mountable
- Overload and short ciruit protection
- Industrial housing

Тур	DR-75-12	DR-75-24
	PR-75-12  PR-75-	DR-75-12  WWW DR-75-12  WWW WHITE TAKE  WHITE THE TAKE  WHITE
Part number	491608	491612
		circuit
Supply voltage	85-264VAC • 120-370VDC	85-264VAC • 120-370VDC
Isolation Voltage	3kV	3kV
Inrush current	30A at 115VAC; 60A at 230VAC	30A at 115VAC; 60A at 230VAC
Efficiency in 9/	76	t circuit 81
Efficiency in% Output power	75W	75W
Output voltage	12VDC	24VDC
Output current	6,3A	3,2A
Tolerance	+/-2%	+/-1%
Ripple & noise	100mV	150mV
Outputs	1	1
Output voltage adjustable		24-28VDC
Overload protection	105-150%	105-150%
Overvoltage protection	 121-142%	121-142%
Short circuit protection	yes	yes
LED	LED-indicator for Power ON	LED-indicator for Power ON
PFC	-	-
Parallel function	-	-
	Mechanic	cal design
IP rating	IP 20	IP 20
Mounting position	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	55,5x100x125,2mm	55,5x100x125,2mm
Cooling	Air-cooling	Air-cooling
Shockproof	VBG4	VBG4
		conditions
Operating temp. in °C	-10 to +60 (refer to output load derating curve)	-10 to +60 (refer to output load derating curve)
Certificates	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE



- DIN rail mountable
- Overload and short ciruit protection
- Industrial housing

Тур	DRA120-12FSA	DR-120-12	DRA120-24FSA
	DRA120	DR-120-24  We will be a series of the series	A
Part number	491568	491602	491569
		Input circuit	
Supply voltage	93-132VAC (115VAC) 186-264VAC (230VAC) 210-370VDC (230VDC)	88-132VAC/176-264VAC selectable via switch	93-132VAC (115VAC) 186-264VAC (230VAC) 210-370VDC (230VDC)
Isolation Voltage	3kV	3kV	3kV
Inrush current	24A at 115VAC; 48A at 230VAC	30A at 115VAC; 60A at 230VAC	30A at 115VAC; 60A at 230VAC
		Output circuit	
Efficiency in%	86	80	86
Output power	120W	120W	120W
Output voltage	12VDC	12VDC	24VDC
Output current	10A	10A	5A
Tolerance	+/-1%	+/-2%	+/-1%
Ripple & noise	50mV	80mV	50mV
Outputs	1	1	1
Output voltage adjustable	11,4-14,5VDC	12-14VDC	22,5-30VDC
Overload protection	105-125%	105-125%	105-125%
Overvoltage protection	125-145%	120-140%	125-145%
Short circuit protection	yes	yes	yes
LED	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON	LED-indicator for Power ON LED-indicator for DC LOW
PFC	yes	-	yes
Parallel function	FPA yes	-	FPA yes
		Mechanical design	
IP rating	IP 20	IP 20	IP 20
Mounting position	any	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	63,5x126x125mm	65,5x100x125,2mm	63,5x126x125mm
Cooling	Air-cooling *	Air-cooling	Air-cooling *
Shockproof	VBG4	VBG4	VBG4
		Ambient conditions	
Operating temp. in °C	-10 to +71 • derating from +61 2,5%/°C	-10 to +60 (refer to output load derating curve)	-10 to +71 • derating from +61 2,5%/°C
Certificates	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE

Recommended: 25mm free space to all sides



- DIN rail mountable
- Overload and short ciruit protection
- Industrial housing

Тур	DRA120-24FPA	DR-120-24	DRH-120-24
	Description of the second seco	DR-120-24  When the state of th	DRH-120-24  we saw the same to the construction of the constructio
Part number	491567	491603	491604
		Input circuit	
Supply voltage	93-132VAC (115VAC) 186-264VAC (230VAC) 210-370VDC (230VDC)	88-132VAC/176-264VAC selectable via switch	340-550VAC, one phase
Isolation Voltage	3kV	3kV	3kV
Inrush current	30A at 115VAC; 60A at 230VAC	30A at 115VAC; 60A at 230VAC	50A
		Output circuit	
Efficiency in%	86	84	85
Output power	120W	120W	120W
Output voltage	24VDC	24VDC	24VDC
Output current	5A	5A	5A
Tolerance	+/-1%	+/-1%	+/-1%
Ripple & noise	50mV	80mV	80mV
Outputs	1	1	1
Output voltage adjustable	22,5-30VDC	24-28VDC	24-28VDC
Overload protection	105-125%	105-125%	105-125%
Overvoltage protection	125-145%	120-140%	30-36V
Short circuit protection	yes	yes	yes
LED	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON	LED-indicator for Power ON
PFC	yes		
Parallel function	yes	-	-
		Mechanical design	
IP rating	IP 20	IP 20	IP 20
Mounting position	any	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	63,5x126x125mm	65,5x100x125,2mm	65,5x100x125,2mm
Cooling	Air-cooling *	Air-cooling	Air-cooling
Shockproof	VBG4	VBG4	VBG4
		Ambient conditions	
Operating temp. in °C	-10 to +71 • derating from +61 2,5%/°C	-10 to +60 (refer to output load derating curve)	-20 to +60 (refer to output load derating curve)
Certificates	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE pending

Recommended: 25mm free space to all sides



- DIN rail mountable
- Overload and short ciruit protection
- Industrial housing

Тур	DRA240-24A	DRP-240-24	DRA480-24A	DRP-480-24
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Part number	491571	491605	491577	491606
		Input	circuit	
Supply voltage	93-132VAC (115VAC) 186-264VAC (230VAC) 210-370VDC (230VDC)	90-265VAC • 120-370VDC	90-264VAC • 120-370VDC	180-264VAC • 250-370VDC
Isolation Voltage	3kV	3kV	3kV	3kV
Inrush current	30A at 115VAC; 60A at 230VAC	30A at 115VAC; 50A at 230VAC	25A at 115VAC; 50A at 230VAC	50A at 230VAC
		Output	circuit	
Efficiency in%	89	84	89	89
Output power	240W	240W	480W	480W
Output voltage	24VDC	24VDC	24VDC	24VDC
Output current	10A	10A	20A	20A
Tolerance	+/-1%	+/-1%	+/-1%	+/-1%
Ripple & noise	100mV	80mV	100mV	120mV
Outputs	1	1	1	1
Output voltage adjustable	22,5-28,5VDC	24-28VDC	22,5-28,5VDC	24-28VDC
Overload protection	105-145%	105-150%	120-140%	105-150%
Overvoltage protection	120-140%	24-28V	30-33VDC	30-36V
Short circuit protection	yes	yes	yes	yes
LED	LED-indicator for Power ON	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON LED-indicator for DC LOW	LED-indicator for Power ON
PFC	optional	yes	yes	yes
Parallel function	yes	-	yes	-
		Mechanic	al design	
IP rating	IP 20	IP 20	IP 20	IP 20
Mounting position	any	any	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	83x126x125mm	125,5x100x125,2mm	175x123x125mm	227x100x125,2mm
Cooling	Air-cooling *	Air-cooling	Air-cooling *	Air-cooling
Shockproof	VBG4	VBG4	VBG4	VBG4
		Ambient o	conditions	
Operating temp. in °C	-10 to +71 • derating from +61 2,5%/°C	-10 to 55 at 100%; +70 at 60% load	-25 to +71 • derating from +61 4%/°C	-20 to 50 at 100%; +70 at 60% load
Certificates	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE

Recommended: 25mm free space to all sides



- DIN rail mountable
- Overload and short ciruit protection
- 3 Phasen Industrial housing

Part number	Тур	DRT-240-24	DRT-480-24	DRT-960-24	DRT-240-48	DRT-480-48
Part number						
Supply voltage   4 cables - 2 phase operation possible   340-550VAC - 3 Phase, 4 cables - 2 phase operation possible   340-550VAC - 3 Phase, 4 cables - 2 phase operation possible   3kV   3kV   3kV   3kV   3kV   3kV   3kV   50A		COMPANY OF THE PROPERTY OF THE	and the state of t	MINIMA SERVICE	ONT-30-94	CONTRACTOR OF THE PROPERTY OF
Supply voltage	Part number	491590	491613	491614	491615	491616
A cables - 2 phase operation possible   A cables - 2 phase operation possible   A cables - 2 phase operation possible   3kV				Input circuit		
Inrush current   SOA	Supply voltage	4 cables - 2 phase	4 cables - 2 phase		4 cables - 2 phase	4 cables - 2 phase
Courbut circuit   September	Isolation Voltage	3kV	3kV	3kV	3kV	3kV
## Semantial Control of Power On Parallel function Power On Parallel Scholox 125,2mm Parallel Scholox 125,2mm Parallel Scholox 125,2mm Parallel Scholox 125,2mm Parallel Operating temp. In *C Operating temp. In	Inrush current	50A	50A	50A	50A	50A
Output power         240W         480W         960W         240W         480W           Output voltage         24VDC         24VDC         24VDC         48VDC         48VDC           Output current         10A         20A         40A         5A         10A           Tolerance         +/-1%         +/-1%         +/-1%         +/-1%         +/-1%           Ripple & noise         80mV         80mV         80mV         80mV         80mV         80mV           Outputs         1         1         1         1         1         1         1           Outputs         1				Output circuit		
Output voltage         24VDC         24VDC         24VDC         48VDC         48VDC           Output current         10A         20A         40A         5A         10A           Tolerance         +/-1%         1         2	Efficiency in%	89	89	91	89	90
Output current         10A         20A         40A         5A         10A           Tolerance         +/-1%         1	Output power	240W	480W	960W	240W	480W
Tolerance	Output voltage	24VDC	24VDC	24VDC	48VDC	48VDC
Ripple & noise   80mV	Output current	10A	20A	40A	5A	10A
Outputs         1         48-55VDC         49-56V         49-50V         49-50V         49-5	Tolerance	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%
Uptut voltage adjustable         24-28VDC         24-28VDC         24-28VDC         48-55VDC         48-55VDC         48-55VDC           Overload protection         105-150%         105-150%         105-150%         105-150%         105-150%           Overvoltage protection         30-36V         30-36V         30-36V         59-66V         59-66V           Short circuit protection         yes         yes         yes         yes         yes           LED         LED-indicator for Power ON         No         10	Ripple & noise	80mV	80mV	80mV	80mV	80mV
Overload protection         105-150%         105-150%         105-150%         105-150%         105-150%           Overvoltage protection         30-36V         30-36V         30-36V         59-66V         59-66V           Short circuit protection         yes         yes         yes         yes         yes           LED indicator for Power ON         LED-indicator for Power ON         DIM-COUNTY         LED-indicator for Power ON         DIM-COUNTY         LED-indicator for Power ON         LED-indicator for Power On </td <td>Outputs</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td>	Outputs	1	1	1	1	1
Overvoltage protection         30-36V         30-36V         30-36V         59-66V         59-66V           Short circuit protection         yes         yes         yes         yes         yes           LED         LED-indicator for Power ON           PFC         -	utput voltage adjustable	24-28VDC	24-28VDC	24-28VDC	48-55VDC	48-55VDC
Short circuit protection yes	Overload protection	105-150%	105-150%	105-150%	105-150%	105-150%
LED-indicator for Power ON LED-indicator for Power ON CN	Overvoltage protection	30-36V	30-36V	30-36V	59-66V	59-66V
ON   ON   ON   ON   ON   ON   ON   ON	Short circuit protection	yes	yes	yes	yes	yes
Parallel function  IP rating  IP 20  IP 20 IP 20 IP 20  IP 20 IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP 20  IP	LED					
IP rating   IP 20	PFC	-	-	-	-	-
IP rating   IP 20	Parallel function	-	-	yes (1+1)	-	-
Mounting positionanyanyanyanyanyMountingDIN-Rail TS 35DIN-Rail TS 35DIN-Rail TS 35DIN-Rail TS 35DIN-Rail TS 35Dimensions (WxDxH)125,5x100x125,2mm227x100x125,2mm276x100x125,2mm125,5x100x125,2mm227x100x125,2mmCoolingAir-coolingAir-coolingAir-coolingAir-coolingShockproofVBG4VBG4VBG4VBG4VBG4VBG4VBG4Ambient conditionsOperating temp. in °C-20 to +70 (refer to output load derating curve)-20 to +70 (refer to output load derating curve)-20 to +70 (refer to output load derating curve)				Mechanical design		
Mounting DIN-Rail TS 35 DIN-Rail TS	IP rating	IP 20	IP 20	IP 20	IP 20	IP 20
Dimensions (WxDxH) 125,5x100x125,2mm 227x100x125,2mm 276x100x125,2mm 125,5x100x125,2mm 227x100x125,2mm 227x100x125,2mm 125,5x100x125,2mm Air-cooling Overall Overa	Mounting position	any	any	any	any	any
Cooling Air-cooling Air-cooling Air-cooling Air-cooling Air-cooling Air-cooling Air-cooling  Shockproof VBG4 VBG4 VBG4 VBG4 VBG4 VBG4  Operating temp. in °C -20 to +70 (refer to output load derating curve)	Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Shockproof VBG4 VBG4 VBG4 VBG4 VBG4 VBG4 VBG4 VBG4	Dimensions (WxDxH)	125,5x100x125,2mm	227x100x125,2mm	276x100x125,2mm	125,5x100x125,2mm	227x100x125,2mm
Operating temp. in °C  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)	Cooling	Air-cooling	Air-cooling	Air-cooling	Air-cooling	Air-cooling
Operating temp. in °C  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +40 at 100%; +70 -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)  -20 to +70 (refer to output load derating curve)	Shockproof	VBG4	VBG4	VBG4	VBG4	VBG4
put load derating curve) put load derating curve) at 60% load put load derating curve) put load derating curve)				Ambient conditions		
Certificates UL/cUL • TÜV • CE	Operating temp. in °C					
	Certificates	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE



Installation design for distribution boards and plant construction

- DIN rail mountable
- Overload and short ciruit protection
- Installation housing

Тур	DR-30-12	DR-60-12	DR-30-24	DR-60-24
	II SO IV SO	H L SURVY A NOTE OF THE PARTY O	II SON Y A SON	II
Part number	491620	491622	491623	491621
		Input	circuit	
Supply voltage	85-264VAC • 120-370VDC	88-264VAC • 124-370VDC	85-264VAC • 120-370VDC	88-264VAC • 124-370VDC
Isolation Voltage	3kV	3kV	3kV	3kV
Inrush current	27A at 115VAC; 36A at 230VAC	27A at 115VAC; 36A at 230VAC	27A at 115VAC; 36A at 230VAC	27A at 115VAC; 36A at 230VAC
		Output	circuit	
Efficiency in%	81	82	83	84
Output power	24W	54W	36W	60W
Output voltage	12VDC	12VDC	24VDC	24VDC
Output current	2A	4,5A	1,5A	2,5A
Tolerance	+/-1%	+/-1%	+/-1%	+/-1%
Ripple & noise	120mV	120mV	120mV	120mV
Outputs	1	1	1	1
Output voltage adjustable	+/-10%	+/-10%	+/-10%	+/-10%
Overload protection	105-160%	105-160%	105-160%	105-160%
Overvoltage protection	115-135%	115-135%	115-135%	115-135%
Short circuit protection	yes	yes	yes	yes
LED	LED-indicator for Power ON	LED-indicator for Power ON	LED-indicator for Power ON	LED-indicator for Power ON
PFC	-	-	-	-
Parallel function	-	-	-	-
		Mechanic	al design	
IP rating	IP 20	IP 20	IP 20	IP 20
Mounting position	any	any	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	78x56x93mm	78x56x93mm	78x56x93mm	78x56x93mm
Cooling	Air-cooling	Air-cooling	Air-cooling	Air-cooling
Shockproof	VBG4	VBG4	VBG4	VBG4
		Ambient o	conditions	
Operating temp. in °C	-20 to +50 at 100%; +60 at 80% load	-20 to +50 at 100%; +60 at 80% load	-20 to +50 at 100%; +60 at 80% load	-20 to +50 at 100%; +60 at 80% load
Certificates	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE



- DIN rail mountable
- Overload and short ciruit protection
- Industrial housing

Тур	DR-4512	DR-4515	DR-4524
	L N W V UE BB.  INPUT:  100-340704  137-3 Section  MODEL No:  DR-512  CAUTION: Section and Section  OR S12  Section 2015 A Section 2015  OR S12  SECTION 2015	NO CAST 18088	L N Q V UE BAI.  LN W V UE BAI.  150 SON MODEL NO:  DR. 4512  COLUMN:  ON CAST 18 0 5 10  ON CAST 18 0 5 10
Part number	491607	491609	491611
		Input circuit	
Supply voltage	85-264VAC • 120-370VDC	85-264VAC • 120-370VDC	85-264VAC • 120-370VDC
Isolation Voltage	3kV	3kV	3kV
Inrush current	30A at 115VAC; 60A at 230VAC	30A at 115VAC; 60A at 230VAC	30A at 115VAC; 60A at 230VAC
		Output circuit	
Efficiency in%	77	77	80
Output power	45W	45W	45W
Output voltage	12VDC	15VDC	24VDC
Output current	3,5A	2,8A	2A
Tolerance	+/-1%	+/-1%	+/-1%
Ripple & noise	200mV	240mV	480mV
Outputs	1	1	1
Output voltage adjustable	+/-10%	+/-10%	+/-10%
Overload protection	105-150%	105-150%	105-150%
Overvoltage protection	115-135%	115-135%	115-135%
Short circuit protection	yes	yes	yes
LED	LED-indicator for Power ON	LED-indicator for Power ON	LED-indicator for Power ON
PFC	-	-	-
Parallel function	-	-	-
	Mechanical design		
IP rating	IP 20	IP 20	IP 20
Mounting position	any	any	any
Mounting	DIN-Rail TS 35	DIN-Rail TS 35	DIN-Rail TS 35
Dimensions (WxDxH)	78x67x93mm	78x67x93mm	78x67x93mm
Cooling	Air-cooling	Air-cooling	Air-cooling
Shockproof	VBG4	VBG4	VBG4
	Ambient conditions		
Operating temp. in °C	0 to 45 at 100%; -10 at 80%; +50 at 80% load	0 to 45 at 100%; -10 at 80%; +50 at 80% load	0 to 45 at 100%; -10 at 80%; +50 at 80% load
Certificates	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE	UL/cUL • TÜV • CE

