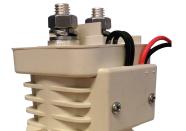


DEVR30 series HVDC contactor 300A / 900VDC



- HVDC 300A at 450VDC.
- Max. Switching current = 2000A.
- AgSnO₂ contacts sealed in inert gas.
- · Magnet arc blowout.
- Auxiliary contact option.
- Female M6 or M8 Male power terminals.

DEVR30 - 50 61 - 88 Series Series	ontacts			Ordering Code		
AC/DC 900/DC	Contact arrangement		SPST-NO-DM			
Series	Contact material		AgSnO ₂	DEVR30 - 50 61 - S8 -		
1	Max switching voltage	AC/DC	900VDC			
180 secs 600A Contact Material 50: AgSnO₂	Rated load (resistive, cos φ=1)	DC1	300A 450VDC	Series		
Social Contact (when fitted and contact resistance max. mx (at 1A)	ax continuous thermal current	1200 secs	400A			
al contact resistance max. ImΩ (at 1A) Arrangement SPST-NO (1 Form A) (SPST-NC by request) Max. Current 2A @ 30VDC / 3A @ 125VAC Min. Current 100mA @ 8V 11 ad Voltage (see page 2) DC 9~36Vdc, 32-95Vdc (with coil economizer) ad power consumption hold 1.56W @ 12VDC 12 13 14 15 10 10 10 10 10 10 10 10 10		180 secs	600A	Contact Material		
Arrangement SPST-NO (1 Form A) (SPST-NC by request) Max. Current 2A @ 30VDC / 3A @ 125VAC 71: SPST-NO* 71: SPST-NO* 71: SPST-NO* 71: SPST-NO 71: SPST-N	ax. switching current	1 time only	2000A 350VDC	50: AgSnO ₂		
Max. Current 2A @ 30VDC / 3A @ 125VAC 61: SPST-NO* 71: SPST-NO* 71: SPST-NO* 71: SPST-NO* 81: SPST-NO 81: SPST-NO 91: SPST-	itial contact resistance	max.	1mΩ (at 1A)			
Min. Current 100mA @ 8V 1	uxiliary Contact (when fitted)	Arrangement	SPST-NO (1 Form A) (SPST-NC by request)	Contact Arrangement		
81: SPST-NO 91: SPST-NO 91: SPST-NO + Auxiliary *Polarized - see page 2 Mounting & Connections Bottom flange mounting base Life End 50MΩ (Min.) Life End 50MΩ (Min.) contact to contact contact to contact contact to contact to contact to contact reate time at 20°C max. 25ms max. 12ms citical life		Max. Current	2A @ 30VDC / 3A @ 125VAC	61: SPST-NO*		
and Voltage (see page 2) DC 9~36Vdc, 32-95Vdc (with coil economizer) and power consumption bold 1.56W @ 12VDC Mounting & Connections Bottom flange mounting base S8: M8 Male stud power terminals S9: M6 Female thread power termin contact to contact 2500Vrms / 1mA / 1 min (at sea level) contact to contact 2500Vrms / 1mA / 1 min (at sea level) contact to contact 2500Vrms / 1mA / 1 min (at sea level) contact to contact 500Vrms / 1mA / 1 min (at sea level) contact to contact 500Vrms / 1mA / 1 min (at sea level) contact to contact 500Vrms / 1mA / 1 min (at sea level) contact to contact 500Vrms / 1mA / 1 min (at sea level) contact to contact 500Vrms / 1mA / 1 min (at sea level) contact to contact 500Vrms / 1mA / 1 min (at sea level) coll 6 de See coil 6 des - Table 1 contact 1 de See coil 6 des - Table 1 coil 6 des coil 6 des - Table 1 coil 6 des coil 6 des - Table 1 coil 6 des coil 6 des - Table 1 coil 6 des coil 6 des - Table 1 coil 6 des coil 6 des - Table 1 coil 6 des coil 6 des - Table 1 coil 6 des coil 6 d		Min. Current	100mA @ 8V	71: SPST-NO* + Auxiliary		
# Polarized - see page 2 # Mounting & Connections # Bottom flange mounting base # S8: M8 Male stud power terminals # S9: M6 Female thread power terminals # Coil & auxiliary contacts by flying lead # Polarized - see page 2 # Mounting & Connections # Bottom flange mounting base # S8: M8 Male stud power terminals # S9: M6 Female thread power terminals # Coil & auxiliary contacts by flying lead # Coil Code # See coil codes - Table 1 # Coil Wire Length # R: 14.96" (380mm) # T: 5.9" (150mm) # Coil Wire & Auxiliary Contact Terminals # Coil Wire & Auxi	oil			81: SPST-NO		
Mounting & Connections Mounting & Connections Mounting & Connections Bottom flange mounting base S8: M8 Male stud power terminals S9: M6 Female thread power terminals S9: M6 Female thread power terminals S9: M6 Female thread power terminals Coil & auxiliary contacts by flying lead Percentage of the power terminals S9: M6 Female thread power terminals Coil Code See coil codes - Table 1 Coil Code See coil codes - Table 1 See coil codes - Table 1 Coil Wire Length R: 14.96" (380mm) T: 5.9" (150mm) Coil Wire & Auxiliary Contact Termination resistance Coil Wire & Auxiliary Contact Termination resistance Coil Wire & Auxiliary Contact Termination resistance Coil Wire & Auxiliary Contact Termination resistance Coil Wire & Auxiliary Contact Termination resistance Coil Wire & Auxiliary Contact Termination resistance Coil Wire & Auxiliary Contact Termination resistance Coil Wire & Auxiliary Contact Termination resistance Coil Wire & Auxiliary Contact Termination resistance Coil Wire & Auxiliary Contact Termination resistance Coil Wire & Auxiliary Contact Termination resi	ated Voltage (see page 2)	DC	9~36Vdc, 32-95Vdc (with coil economizer)	91: SPST-NO + Auxiliary		
Initial 100MΩ (Min.) Life End 50MΩ (Min.) ectric strength coil to contact 2500Vrms / 1mA / 1 min (at sea level) contact to contact 2500Vrms / 1mA / 1 min (at sea level) contact to contact 2500Vrms / 1mA / 1 min (at sea level) retate time at 20°C max. 25ms conce time max. 7ms cotrical life Voltage and Current Dependent - See Fig. 1 chanical life ops. 2 x 10° contact to perating -40 to +85°C ative humidity ck resistance 20G peak, 11ms 1/2 sine ation resistance coil to contact by flying lead Coil Code See coil codes - Table 1 Coil Wire Length R: 14.96" (380mm) T: 5.9" (150mm) Coil Wire & Auxiliary Contact Termin 1: None 2: Yazaki 7282-5558-10 Male	ated power consumption	hold	1.56W @ 12VDC	* Polarized - see page 2		
Life End 50MΩ (Min.) sectric strength coil to contact 2500Vrms / 1mA / 1 min (at sea level) contact to contact 2500Vrms / 1mA / 1 min (at sea level) contact to contact 2500Vrms / 1mA / 1 min (at sea level) coil & auxiliary contacts by flying lead auxiliary contacts by flyi	sulation			Mounting & Connections		
contact to contact 2500Vrms / 1mA / 1 min (at sea level) S9: M6 Female thread power termin. Coil & auxiliary contacts by flying leader at the contact to	sulation resistance	Initial	100MΩ (Min.)	Bottom flange mounting base		
contact to contact 2500Vrms / 1mA / 1 min (at sea level) Coil & auxiliary contacts by flying lead crate time at 20°C max. 25ms Coil Code See coil codes - Table 1 See coil codes - Table 1 Coil Wire Length R: 14.96" (380mm) T: 5.9" (150mm) T: 5.9" (150mm) Coil Wire & Auxiliary Contact Termin		Life End	50MΩ (Min.)	S8: M8 Male stud power terminals		
retal Data Parate time at 20°C max. 25ms Ince time max. 7ms Passe time max. 12ms Parate time at 20°C max. 25ms Ince time max. 7ms Passe time max. 12ms Parate time at 20°C max. 25ms Passe time max. 7ms Passe time max. 12ms Passe	electric strength	coil to contact	2500Vrms / 1mA / 1 min (at sea level)	S9: M6 Female thread power terminals		
create time at 20°C max. 25ms Coil Code See coil codes - Table 1 See coil codes - Table 1 Coil Wire Length R: 14.96" (380mm) T: 5.9" (150mm) T: 5.9" (150mm) Coil Wire & Auxiliary Contact Termin		contact to contact	2500Vrms / 1mA / 1 min (at sea level)	Coil & auxiliary contacts by flying leads		
sease time max. 7ms lease time max. 12ms Voltage and Current Dependent - See Fig. 1 chanical life ops. 2 x 10 ⁵ Coil Wire Length R: 14.96" (380mm) T: 5.9" (150mm) T: 5.9" (150mm) T: 5.9" (150mm) Coil Wire Length R: 14.96" (380mm) T: 5.9" (150mm) T: 5.9" (150mm) Coil Wire & Auxiliary Contact Termin Auxiliary Contact Termin T: None L x W x H 58.2 x 80.48 (over flanges) x 72.11 (max.)	eneral Data					
trical life Voltage and Current Dependent - See Fig. 1 Coil Wire Length R: 14.96" (380mm) T: 5.9" (150mm) T: 5.9" (150mm) T: 5.9" (150mm) Coil Wire & Auxiliary Contact Termin	perate time at 20°C	max.	25ms	Coil Code		
ctrical life Voltage and Current Dependent - See Fig. 1 chanical life ops. 2 x 10 ⁵ chenical life operating -40 to +85°C ative humidity 5 to 85%RH ck resistance 20G peak, 11ms 1/2 sine ation resistance 20G sine peak (80 to 2000Hz) ensions L x W x H 58.2 x 80.48 (over flanges) x 72.11 (max.) Coil Wire Length R: 14.96" (380mm) T: 5.9" (150mm) Coil Wire & Auxiliary Contact Termin 1: None 2: Yazaki 7282-5558-10 Male	unce time	max.	7ms	See coil codes - Table 1		
chanical life ops. 2 x 10 ⁵ chient temperature operating -40 to +85°C attive humidity 5 to 85%RH ck resistance 20G peak, 11ms 1/2 sine attion resistance 20G sine peak (80 to 2000Hz) ensions L x W x H 58.2 x 80.48 (over flanges) x 72.11 (max.) R: 14.96" (380mm) T: 5.9" (150mm) Coil Wire & Auxiliary Contact Termin 1: None 2: Yazaki 7282-5558-10 Male	lease time	max.	12ms			
coient temperature operating -40 to +85°C ative humidity 5 to 85%RH ck resistance 20G peak, 11ms 1/2 sine ation resistance 20G sine peak (80 to 2000Hz) ensions L x W x H 58.2 x 80.48 (over flanges) x 72.11 (max.) T: 5.9" (150mm) Coil Wire & Auxiliary Contact Termin 1: None 2: Yazaki 7282-5558-10 Male	ectrical life		Voltage and Current Dependent - See Fig. 1	Coil Wire Length		
ative humidity 5 to 85%RH ck resistance 20G peak, 11ms 1/2 sine ation resistance 20G sine peak (80 to 2000Hz) ensions L x W x H 58.2 x 80.48 (over flanges) x 72.11 (max.) Coil Wire & Auxiliary Contact Termin 1: None 2: Yazaki 7282-5558-10 Male	Mechanical life ops.		2 x 10 ⁵	R: 14.96" (380mm)		
ck resistance 20G peak, 11ms 1/2 sine Coil Wire & Auxiliary Contact Termin 1: None ensions L x W x H 58.2 x 80.48 (over flanges) x 72.11 (max.) Coil Wire & Auxiliary Contact Termin 1: None 2: Yazaki 7282-5558-10 Male	Ambient temperature operating		-40 to +85°C	T: 5.9" (150mm)		
ation resistance 20G sine peak (80 to 2000Hz) 1: None ensions L x W x H 58.2 x 80.48 (over flanges) x 72.11 (max.) 2: Yazaki 7282-5558-10 Male	elative humidity		5 to 85%RH			
ensions L x W x H 58.2 x 80.48 (over flanges) x 72.11 (max.) 2: Yazaki 7282-5558-10 Male	hock resistance		20G peak, 11ms 1/2 sine	Coil Wire & Auxiliary Contact Termination		
	bration resistance		20G sine peak (80 to 2000Hz)	1: None		
ght approx. 430g ±10g 3: Molex Mini-Fit Female	imensions	LxWxH	58.2 x 80.48 (over flanges) x 72.11 (max.)	2: Yazaki 7282-5558-10 Male		
-	/eight	approx.	430g ±10g	3: Molex Mini-Fit Female		





DEVR30 series HVDC contactor 300A / 900VDC



Coil Data Table 1										
Coil code	Nominal voltage (VDC)	Must operate voltage Max. (VDC)	Maximum allowable voltage (VDC)	Must release voltage min. (VDC)	Inrush Current Max. (A)	Hold Voltage Min. (VDC)	Holding Current (Average)			
0936	9 - 36	9	36	6	3.8	7.5	130mA@12VDC 70mA @ 24VDC			
3295	32 - 95	32	95	18	1.3	22	30mA@48VDC			
Other coils available upon special request										

